

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG: ELECTRIC LOGS: FILE ☒ WATER SANDS: LOCATION INSPE: SUB. REPORT/abd.

991118 LA'D, eff 11-1-99;

DATE FILED MAY 13, 1996

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO. UTU-68532

INDIAN

DRILLING APPROVED: OCTOBER 30, 1996

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 11-1-99 LA'D

FIELD: WILDCAT

UNIT:

COUNTY: EMERY

WELL NO. UTAH FEDERAL 'I' 33-22

API NO. 43-015-30296

LOCATION 1980 FNL FT. FROM (N) (S) LINE. 500 FEL

FT. FROM (E) (W) LINE. SE NE

1/4 - 1/4 SEC. 33

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
21S	6E	33	TEXACO E & P				



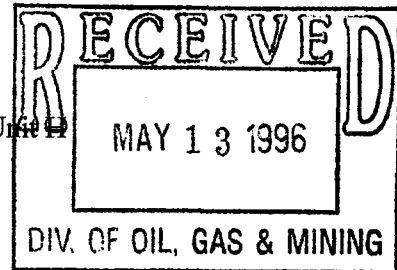
Texaco Exploration and Production Inc

3300 N Butler
Farmington NM 87401

May 8, 1996

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: **Application for Permit to Drill (APD)**
Utah Federal 'T' No. 33-22, Surf Loc: 1980' FNL, 500' FEL, Unit 4
Sec. 33-T21S-R6E 603 152
Emery County, Utah



Gentlemen:

Texaco Exploration and Production Inc. is seeking approval from the BLM to drill an exploratory well to test the Ferron formation. Texaco requests confidential status of this well and all information pertaining to it.

Your attention to this matter is greatly appreciated. If you have any questions concerning this matter please contact me at 505-325-4397, ext. 20.

Sincerely,

Ted A. Tipton
Operating Unit Manager
RSD/s, Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial No. UTU-68532	
1b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> COAL-BED METHANE <input type="checkbox"/>		6. If Indian, Alottee or Tribe Name	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION, INC.		7. If Unit or CA, Agreement Designation	
3. Address and Telephone No. 3300 N. Butler Ave., Suite Farmington NM 87401 325-4397		8. Well Name and Number UTAH FEDERAL "I"	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At Surface Unit Letter H : 1980 Feet From The NORTH Line and 1500 Feet From The EAST Line At proposed prod. zone		9. API Well No. 33-22	
14. Distance In Miles and Direction from Nearest Town or Post Office APPROX. 2 MI. NORTH OF EMERY, UTAH		10. Field and Pool, Exploratory Area WILDCAT	
15. Distance From Proposed* Location to Nearest Property or Lease Line, Ft. (also to nearest drlg. unit line, if any) 500'		11. SEC., T., R., M., or BLK. and Survey or Area Sec. 33 , Township T21S , Range R6E	
16. No. of Acres in Lease 2270.15		12. County or Parish EMERY	
17. No. of Acres Assigned To This Well 160 AC.		13. State UT	
18. Distance From Proposed Location* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. N/A		19. Proposed Depth 1885'	
20. Rotary or Cable Tools ROTARY		21. Elevations (Show whether DF, RT, GR, etc.) KB DF 6366 GR	
22. Approx. Date Work Will Start* 6/15/96			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	300'	400 SX
12-1/4"	8-5/8"	32#	1380'	340 SX
7-7/8"	5-1/2"	17#	1885'	180 SX

TEXACO EXPLORATION & PRODUCTION, INC. PROPOSES TO DRILL A WELL TO A DEPTH OF 1885' TO TEST THE FERRON SAND AND ASSOCIATED COALS FOR PRODUCTIVE QUANTITIES OF NATURAL GAS. IF THE WELL IS UNPRODUCTIVE, IT WILL BE PLUGGED AND ABANDONED AS PER BLM AND STATE OF UTAH REQUIREMENTS.

PLEASE BE ADVISED THAT TEXACO EXPLORATION & PRODUCTION, INC. HAS BEEN AUTHORIZED BY PROPER LEASE INTEREST OWNERS TO CONDUCT OPERATIONS ON THE ABOVE MENTIONED LOCATION. TEXACO EXPLORATION & PRODUCTION, INC. AGREES TO BE RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED UPON THE LEASE LANDS.

BOND COVERAGE FOR THIS WELL IS PROVIDED BY BOND NO. CO-0058 (NATIONWIDE BOND). THE PRINCIPAL IS TEXACO EXPLORATION & PRODUCTION, INC. VIA SURETY CONSENT AS PROVIDED FOR IN 43 CFR-3104.2.

CONFIDENTIAL-TIGHT HOLE

In Above Space Describe Proposed Program: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct

SIGNATURE Ted A. Tipton TITLE Operating Unit Manager DATE 5/2/96
TYPE OR PRINT NAME Ted A. Tipton

(This space for Federal or State office use)

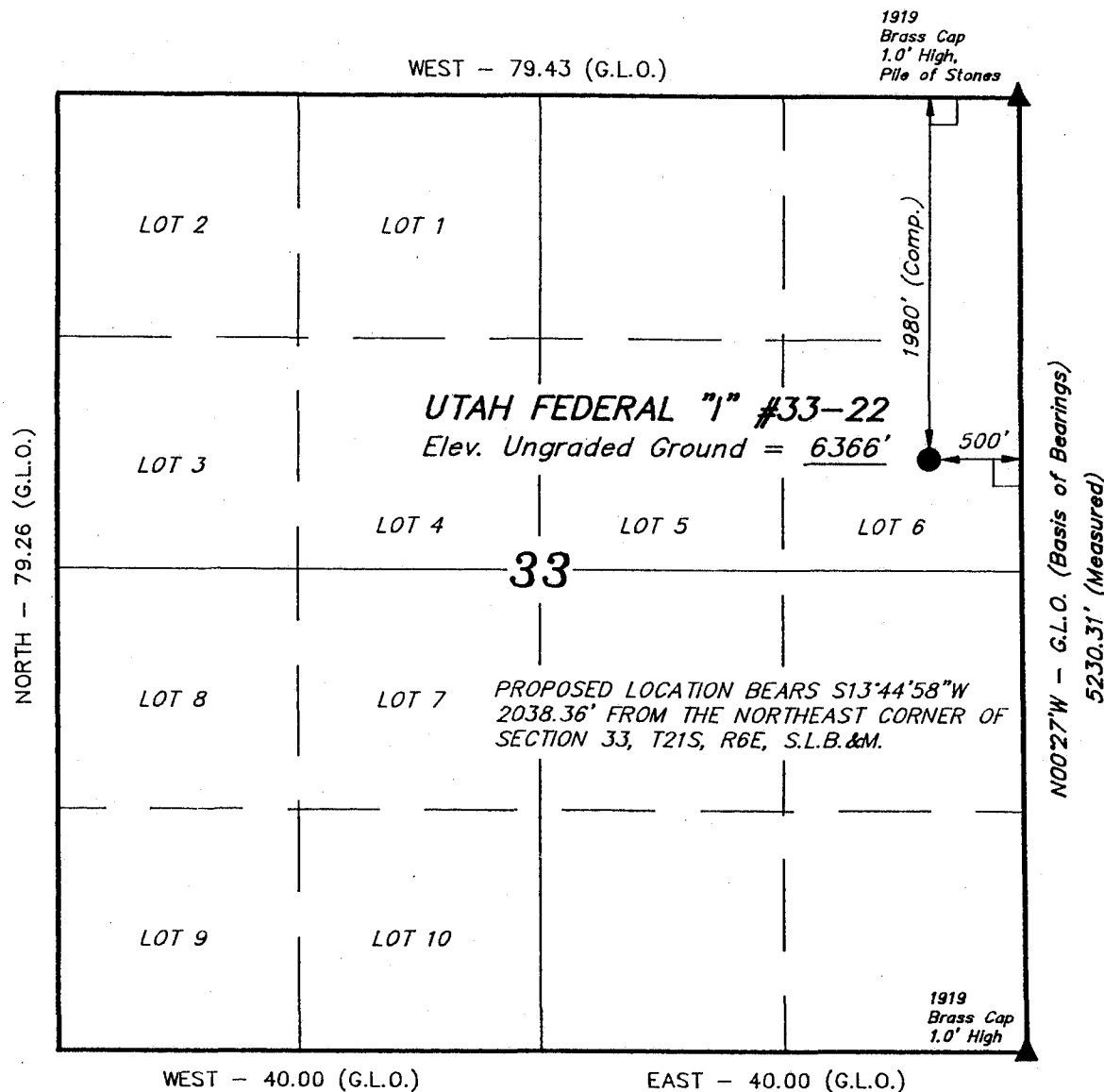
PERMIT NO. 43-015-30296 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

APPROVED [Signature] TITLE Petroleum Engineer DATE 10/30/96
CONDITIONS OF APPROVAL, IF ANY: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T21S, R6E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

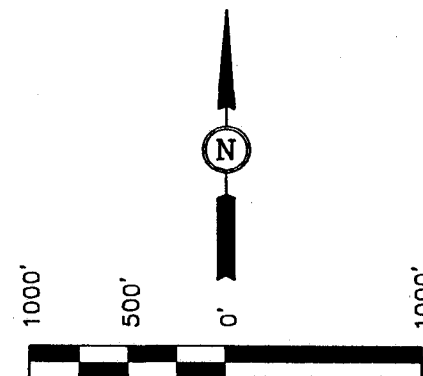
▲ = SECTION CORNERS LOCATED.

TEXACO EXPLR. & PROD., INC.

Well location, UTAH FEDERAL "I" #33-22, located as shown in the SE 1/4 NE 1/4 of Section 33, T21S, R6E, S.L.B.&M. Emery County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE SW 1/4 OF SECTION 35, T21S, R6E, S.L.B.&M. TAKEN FROM THE EMERY EAST QUADRANGLE, UTAH, EMERY COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6218 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Gray

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

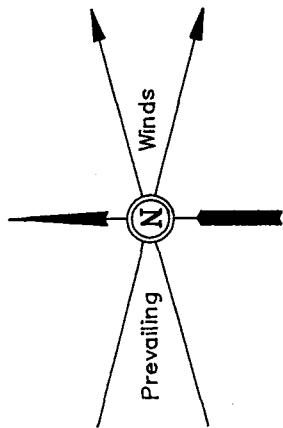
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-4-96	DATE DRAWN: 4-12-96
PARTY B.B. K.H. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE TEXACO EXPLR. & PROD., INC.	

TEXACO EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

UTAH FEDERAL "1" #33-22
SECTION 33, T21S, R6E, S.L.B.&M.
1980' FNL 500' FEL



SCALE: 1" = 50'
DATE: 4-12-96
DRAWN BY: C.B.T.

F-1.6'
El. 64.0'

F-4.8'
El. 60.8'

F-4.0'
El. 61.6'

Proposed Access Road

Sta. 2+00

Total Pit Capacity
W/2' of Freeboard
is 2,260 Bbls. ±

APPROX.
TOE OF
FILL SLOPE

C-8.7'
El. 66.3'
(Btm. Pit)

F-0.3'
El. 65.3'

C-0.5'
El. 66.1'

F-1.4'
El. 64.2'

Sta. 1+00

C-12.4'
El. 70.0'
(Btm. Pit)

C-3.7'
El. 69.3'

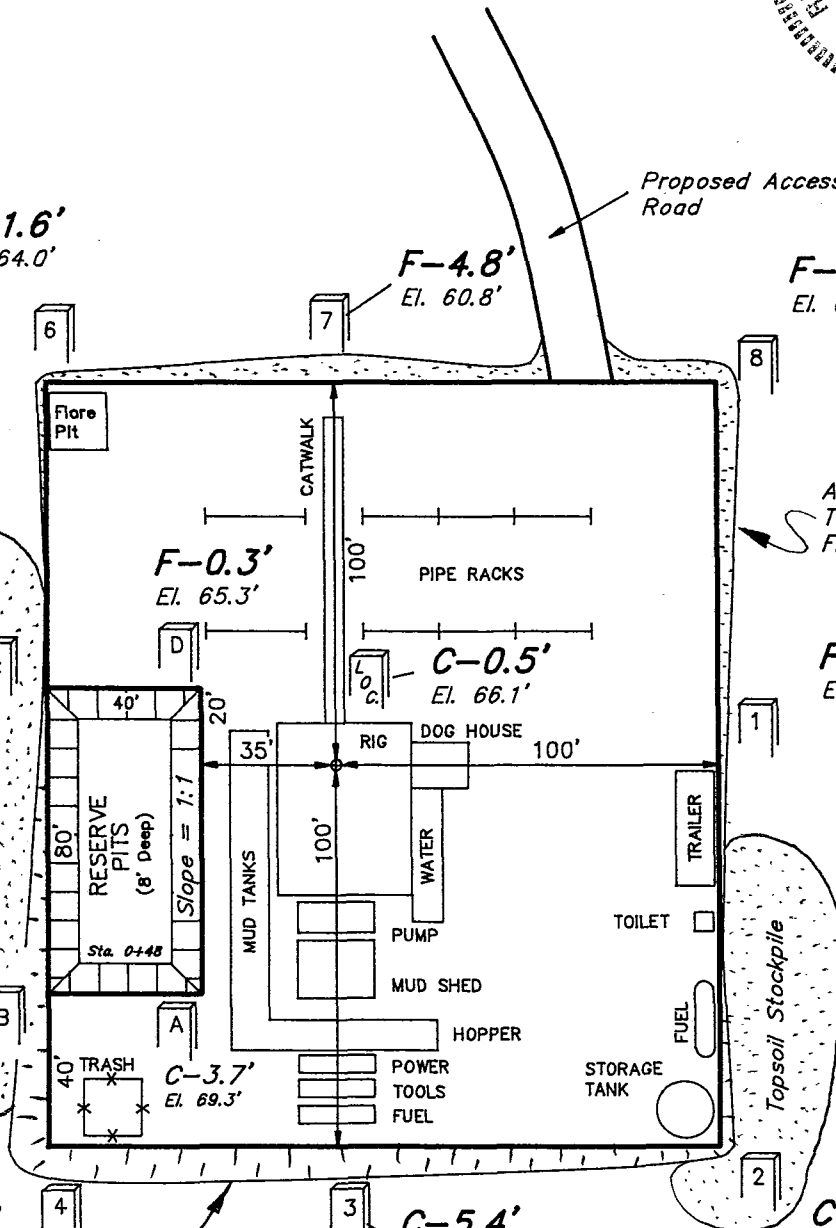
Sta. 0+00

C-6.8'
El. 72.4'

APPROX.
TOP OF
CUT SLOPE

C-5.4'
El. 71.0'

C-2.5'
El. 68.1'



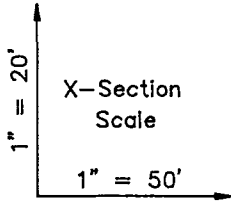
Elev. Ungraded Ground at Location Stake = 6366.1'
Elev. Graded Ground at Location Stake = 6365.6'

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85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

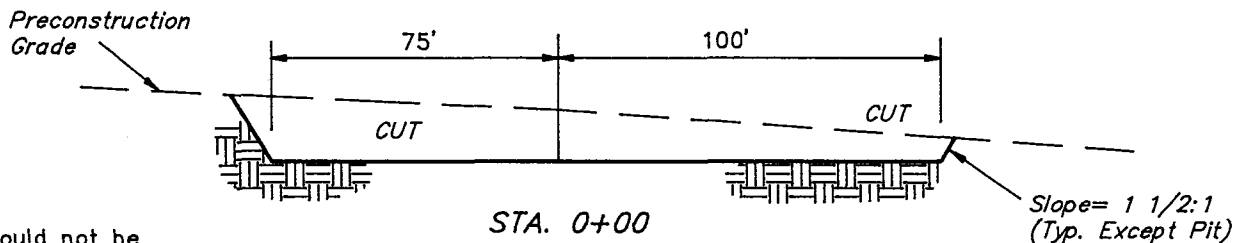
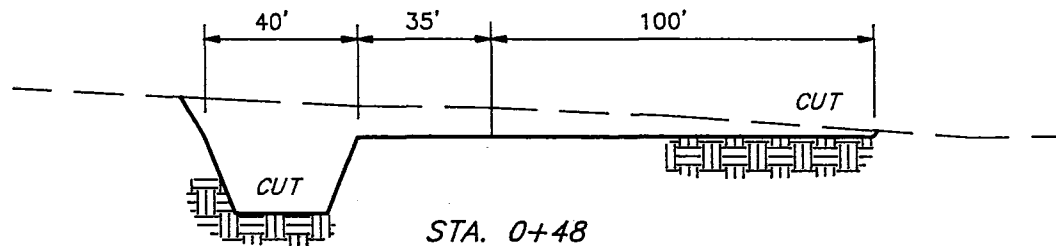
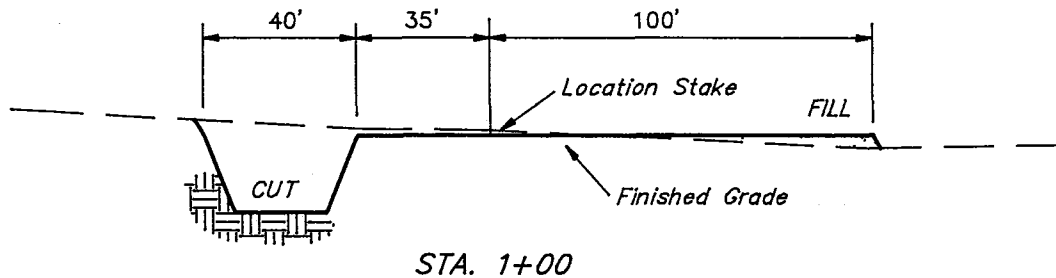
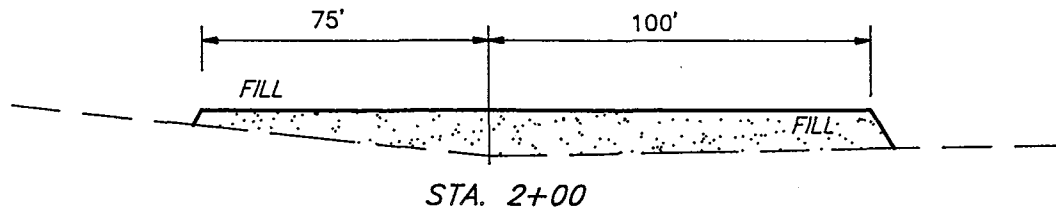
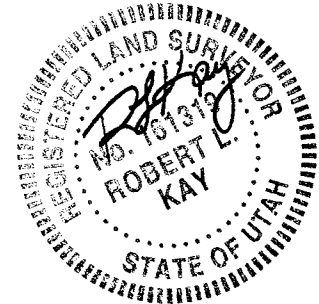
TEXACO EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

UTAH FEDERAL "I" #33-22
SECTION 33, T21S, R6E, S.L.B.&M.
1980' FNL 500' FEL



DATE: 4-12-96
DRAWN BY: C.B.T.



NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 650 Cu. Yds.
Remaining Location = 2,140 Cu. Yds.
TOTAL CUT = 2,790 CU.YDS.
FILL = 1,700 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 1,000 Cu. Yds.
Topsoil & Pit Backfill
(1/2 Pit Vol.) = 1,000 Cu. Yds.
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

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85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

R
6
E

NATIONAL

Proposed Location:
UTAH FEDERAL "I" #33-22

PROPOSED ACCESS ROAD 0.2 MI. +/-

PROPOSED CANAL CROSSING

EXISTING TRAIL NEEDS UPGRADE 0.3 MI. +/-

NOTE: GATES OR CATTLEGUARDS
REQUIRED AT FENCE CROSSINGS

T21S

T22S

T 21 S
T 22 S

WT

Emery
Cem

TEXACO EXPLR. & PROD., INC.

UTAH FEDERAL "I" #33-22
SECTION 33, T21S, R6E, S.L.B.&M.
1980' FNL 500' FEL

TOPOGRAPHIC
MAP "B"

DATE: 4-24-96
Drawn by: D.COX



SCALE: 1" = 2000'

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

THIRTEEN POINT SURFACE USE PLAN

OPERATOR: TEXACO EXPLORATION & PRODUCTION, INC.
LEASE NAME: UTAH FEDERAL 'I' #33-22
LEASE NUMBER: UTU-68532
LOCATION: 1980' FNL - 500' FEL, SECTION 33, T21S/R6E SLPM, EMERY CO.,UTAH

1. EXISTING ROADS.

- A. THE PROPOSED WELL SITE IS LOCATED APPROXIMATELY 2 MILES NORTH OF EMERY, UTAH.
- B. DIRECTIONS TO THE LOCATION FROM EMERY, UTAH ARE AS FOLLOWS:

FROM EMERY, PROCEED NORTH ON STATE HIGHWAY #10 APPROX. 1.9 MI.. TURN LEFT(WEST) ON EXISTING ACCESS ROAD , PROCEED WEST APPROX. 1 MI. ON EXISTING ROAD. PROCEED APPROX. .5 MI. ON NEW/UPGRADED ACCESS ROAD TO LOCATION.
- C. THIS WELL WILL REQUIRE .2 MI. OF NEW ACCESS ROAD.
- D. MINOR IMPROVEMENT WILL BE NECESSARY ON .3 MI OF EXISTING ACCESS ROAD.
- E*. NO CONSTRUCTION OR ROUTINE MAINTENANCE ACTIVITIES SHALL BE PERFORMED DURING PERIODS WHEN THE SOIL IS TOO WET TO ADEQUATELY SUPPORT CONSTRUCTION EQUIPMENT. IF SUCH EQUIPMENT CREATES RUTS IN EXCESS OF 6 - 12 INCHES DEEP, THE SOIL SHALL BE DEEMED TOO WET TO ADEQUATELY SUPPORT CONSTRUCTION EQUIPMENT.
- F*. WHEN UPGRADING OR MAINTAINING EXISTING ROADS, THE PERMITTEE SHALL UTILIZE CLASS III ROAD STANDARDS. NO UPGRADING BEYOND THE EXISTING DISTURBED AREA IS AUTHORIZED UNDER THIS PERMIT. IF DETERMINED NECESSARY BY THE AUTHORIZED OFFICER, THE PERMITTEE SHALL UPGRADE THE ROAD TO MEET THE STANDARDS FOR CLASS III ROADS. THIS REQUEST SHALL BE MADE IF DAMAGE IS DETERMINED TO BE OCCURRING TO THE RESOURCE DUE TO POOR DRAINAGE OR OTHER INHERENT PROBLEMS WITH THE CURRENT DESIGN OF THE ROAD.
- G*. THE PERMITTEE SHALL UTILIZE (CLASS III) ROAD STANDARDS IN THE UPGRADING, USE AND MAINTENANCE OF THE NEW ROADS AUTHORIZED UNDER THIS PERMIT. NO UPGRADING BEYOND THE EXISTING DISTURBED AREA IS AUTHORIZED UNDER THIS PERMIT. IF DETERMINED NECESSARY BY THE AUTHORIZED OFFICER, THE PERMITTEE SHALL UPGRADE THE ROAD TO MEET THE STANDARDS FOR (CLASS II) (CLASS III) ROADS. THIS REQUEST SHALL BE MADE IF IT IS DETERMINED DUE TO POOR DRAINAGE OR OTHER INHERENT PROBLEMS WITH THE CURRENT DESIGN OF THE ROAD, DAMAGE TO THE PUBLIC LANDS IS OCCURRING INCIDENTAL TO SUCH ROAD USE.
- F*. THE PERMITTEE SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF THE ROAD UTILIZING CLASS III (RESOURCE) ROAD STANDARDS AS DESCRIBED IN BLM MANUAL SECTION 9113 AND THE MOAB DISTRICT ROAD STANDARDS FOR THE TERM OF THE PERMIT INCLUDING, BUT NOT LIMITED TO, GRADING, GRAVELING, SNOW REMOVAL, DITCH CLEANING, OR OTHER CONSTRUCTION AND MAINTENANCE REQUIREMENTS AS DIRECTED BY THE AUTHORIZED OFFICER.
- G*. THE COMPANY SHALL PROVIDE A COMPETENT ONSITE INSPECTOR DURING CONSTRUCTION OF THE ROAD AND DRILL PAD SITE TO ENSURE COMPLIANCE WITH ALL STIPULATIONS. THE INSPECTOR SHALL BE DESIGNATED AT THE PRE-DRILL CONFERENCE, AND SHALL BE GIVEN AN APPROVED COPY OF ALL MAPS, PERMITS AND STIPULATIONS PRIOR TO THE START OF CONSTRUCTION. THE BLM SHALL ALSO DESIGNATE A REPRESENTATIVE FOR THE PROJECT AT THE PRE-DRILL CONFERENCE.

- H* ALL SUITABLE TOPSOIL MATERIAL REMOVED IN CONJUNCTION WITH CLEARING AND STRIPPING SHALL BE CONSERVED IN STOCKPILES WITHIN THE PAD. TOPSOIL SHALL BE STRIPPED TO AN AVERAGE DEPTH OF 2 - 6 INCHES, TO BE DETERMINED ONSITE BY THE BLM AUTHORIZED OFFICER. TOPSOIL SHALL BE STRIPPED AND SALVAGED DURING THE CONSTRUCTION OF ALL NEW ROADS AND PADS. IF AREAS ARE TO BE LEFT DISTURBED FOR A PERIOD IN EXCESS OF ONE(1) YEAR, TOPSOIL STOCKPILES SHALL BE SEEDED WITH A MIXTURE PRESCRIBED BY THE AUTHORIZED OFFICER.
- I*. TOPSOIL FROM THE ACCESS ROADS SHALL BE WIND ROWED ALONG THE UPHILL SIDE OF THE ROAD. WHEN THE WELL IS PLUGGED AND THE ROAD REHABILITATED, THIS SOIL SHALL THEN BE USED AS A TOP COATING FOR THE SEED BED.

2. **PLANNED ACCESS ROAD.**

- A. .2 MI OF NEW ACCESS ROAD IS REQUIRED FOR THE SUBJECT WELL. APPROXIMATELY .3 MI. OF ROUGH GRADED ROAD WILL REQUIRE SOME UPGRADING. THE ROAD WILL BE FLATBLADED WITH A RUNNING SURFACE OF APPROXIMATELY 25 FT.. IF NECESSARY, APPROPRIATE WATER CONTROL CULVERTS WILL BE INSTALLED TO CONTROL EROSION. CONSTRUCTION WILL NOT CHANGE EXISTING DRAINAGE.
- B. THE ROAD WILL BE UPGRADED AND MAINTAINED AS REQUIRED BY THE S.M.A.
- C. MAXIMUM GRADE WILL BE 8%.
- D. TURNOUTS WILL BE CONSTRUCTED AS REQUIRED BY THE S.M.A.
- E. LOW WATER CROSSINGS WILL BE INSTALLED ALONG THE ACCESS WHERE NEEDED.
- F. SURFACING MATERIAL WILL BE DEPENDENT UPON S.M.A. REQUIREMENTS.
- G. GATES & CATTLE GUARDS WILL BE INSTALLED AS NECESSARY.
- H. SURFACE DISTURBANCE AND VEHICULAR TRAVEL WILL BE LIMITED TO THE APPROVED LOCATION AND APPROVED ACCESS ROUTE. ANY ADDITIONAL AREA NEEDED WILL BE APPROVED IN ADVANCE.

3. **LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION.**

- A. WATER WELLS - UNKNOWN
- B. INJECTION WELLS - NONE
- C. PRODUCING WELLS - A.L. JENSEN #27-9 (SHUT-IN)
- D. DRILLING WELLS - NONE

4. **LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.**

- A*. ALL FACILITIES ONSITE FOR SIX MONTHS OR LONGER SHALL BE PAINTED A FLAT, NON-REFLECTIVE COLOR MATCHING THE STANDARD ENVIRONMENTAL COLORS AS DETERMINED BY THE ROCKY MOUNTAIN FIVE STATE INTERAGENCY COMMITTEE. FACILITIES REQUIRED TO BE PAINTED TO COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) ARE EXEMPT.
- B. IF STORAGE FACILITIES/TANK BATTERIES ARE CONSTRUCTED ON THIS LEASE, THE FACILITY /BATTERY OR THE WELLPAD SHALL BE SURROUNDED BY A CONTAINMENT DIKE OF SUFFICIENT CAPACITY TO CONTAIN AT A MINIMUM, THE ENTIRE CONTENT OF THE LARGEST TANK WITHIN THE

FACILITY/BATTERY, UNLESS MORE STRINGENT PROTECTIVE REQUIREMENTS ARE DEEMED NECESSARY BY THE AUTHORIZED OFFICER.

- C. ALL LOADING LINES WILL BE PLACED INSIDE THE BERM SURROUNDING THE TANK BATTERY.
- D. GAS MEASUREMENT DEVICES WILL BE LOCATED IN ACCORDANCE WITH THE APPROPRIATE REGULATORY BODY.
- E. ALL METER/MEASUREMENT FACILITIES WILL CONFORM WITH ONSHORE OIL AND GAS ORDER NO. 4 FOR LIQUID HYDROCARBONS AND ONSHORE OIL AND GAS ORDER NO. 5 FOR NATURAL GAS MEASUREMENT.
- F. ANY NECESSARY PITS WILL BE PROPERLY FENCED TO PREVENT ANY WILDLIFE ENTRY.
- G. ALL SITE SECURITY GUIDELINES IDENTIFIED IN 43 CFR 3162.7 REGULATIONS WILL BE ADHERED TO.
- H. ALL OFF-LEASE STORAGE, OFF-LEASE MEASUREMENT, OR COMMINGLING ON-LEASE OR OFF-LEASE WILL HAVE PRIOR WRITTEN APPROVAL FROM THE AUTHORIZED OFFICER.
- I. ALL ACCESS ROADS WILL BE MAINTAINED AS NECESSARY TO PREVENT EROSION AND ACCOMMODATE YEAR-ROUND TRAFFIC.
- J. THE ROAD WILL BE MAINTAINED IN A SAFE USEABLE CONDITION.
- K. WATER PRODUCED DURING THE TEST PHASE OF THIS WELL WILL BE STORED IN STORAGE TANKS ON LOCATION AND HAULED TO AN APPROVED DISPOSAL SITE. IF THE PROJECT SEEMS VIABLE BASED ON TEST RESULTS, A DISPOSAL METHOD WILL BE SUBMITTED..

5. **LOCATION AND TYPE OF WATER SUPPLY.**

- A. ALL WATER NEEDED FOR DRILLING PURPOSES WILL BE OBTAINED FROM EMERY MUNICIPAL WATER SYSTEM.
- B. WATER WILL BE HAULED TO LOCATION OVER THE ROADS MARKED ON MAPS ATTACHED.
- C. NO WATER WELL IS TO BE DRILLED ON THIS LEASE, WITHOUT PROPER APPROVAL OF DIVISION OF WATER RIGHTS IN PRICE, UTAH.
- D. ALL APPROPRIATE PERMITS WILL BE FILED WITH THE DIVISION OF WATER RIGHTS IN PRICE, UTAH.

6. **SOURCE OF CONSTRUCTION MATERIALS.**

- A. SURFACE AND SUBSOIL MATERIALS IN THE IMMEDIATE AREA WILL BE UTILIZED.
- B. ANY GRAVEL USED WILL BE OBTAINED FROM A COMMERCIAL SOURCE.
- C. THE USE OF MATERIALS UNDER BLM JURISDICTION WILL CONFORM WITH 43 CFR 3610.2.3.
- D. NO CONSTRUCTION MATERIALS WILL BE REQUIRED TO BE REMOVED FROM FEDERAL LAND AND ALL CONSTRUCTION ITEMS WILL BE PURCHASED FROM A THIRD PARTY.

7. **METHODS OF HANDLING WASTE DISPOSAL.**

- A. SINCE THE PROPOSED WELL WILL BE AIR-DRILLED, ONLY A SMALL RESERVE PIT WILL BE NECESSARY. THE RESERVE PIT WILL BE CONSTRUCTED SO AS NOT TO LEAK, BREAK, OR ALLOW DISCHARGE. THE RESERVE PIT WILL BE LINED IF DETERMINED NECESSARY AT THE TIME OF CONSTRUCTION.
- * RESERVE PITS AND DISPOSAL PONDS SHALL BE CONSTRUCTED TO PREVENT COMMINGLING WITH BOTH GROUND AND SURFACE WATER. ENOUGH FREEBOARD SHALL BE MAINTAINED IN DISPOSAL PONDS TO CONTAIN PRECIPITATION FROM A 50-YEAR 24-HOUR EVENT WITHOUT OVERFLOW.
- B. IF THE PIT IS LINED, A PLASTIC NYLON REINFORCED LINER WILL BE USED. IT WILL BE A MINIMUM OF 12 MIL THICKNESS WITH SUFFICIENT BEDDING (EITHER STRAW OR DIRT) TO COVER ANY ROCKS. THE LINER WILL OVERLAP THE PIT WALLS AND BE COVERED WITH DIRT AND/OR ROCKS TO HOLD IT IN PLACE. NO TRASH, SCRAP PIPE, ETC., THAT COULD PUNCTURE THE LINER WILL BE DISPOSED OF IN THE PIT.
- C. ALL TRASH WILL BE CONTAINED IN A TRASH CAGE AND ITS CONTENTS REMOVED AT THE END OF DRILLING OPERATIONS AND HAULED TO AN APPROVED DISPOSAL SITE.
- D. AFTER FIRST PRODUCTION, PRODUCED WATER WILL BE CONFINED TO A STORAGE TANK FOR A PERIOD NOT TO EXCEED NINETY (90) DAYS. DURING THE 90-DAY PERIOD, IN ACCORDANCE WITH ONSHORE ORDER NO. 7, AN APPLICATION FOR APPROVAL OF A PERMANENT DISPOSAL METHOD AND LOCATION, ALONG WITH THE REQUIRED WATER ANALYSIS, WILL BE SUBMITTED FOR THE AO'S APPROVAL.
- E. DRILL CUTTINGS ARE TO BE CONTAINED AND BURIED IN THE RESERVE PIT.
- F. ANY SALTS AND/OR CHEMICALS WHICH ARE AN INTEGRAL PART OF THE DRILLING SYSTEM, WILL BE DISPOSED OF IN THE SAME MANNER AS THE DRILLING FLUID.
- G. SEWAGE WILL BE PLACED IN A PORTABLE CHEMICAL TOILET OR HOLDING TANK AND DISPOSED OF IN ACCORDANCE WITH STATE AND COUNTY REGULATIONS.
- H. THE PRODUCED FLUIDS WILL BE PRODUCED INTO A TEST TANK UNTIL SUCH TIME AS CONSTRUCTION OF PRODUCTION FACILITIES IS COMPLETED. ANY SPILLS OF OIL, GAS, SALT WATER OR OTHER PRODUCED FLUIDS WILL BE CLEANED UP.

8. **ANCILLARY FACILITIES.**

- A. THERE ARE NO AIRSTRIPS, CAMPS, OR OTHER FACILITIES PLANNED DURING THE DRILLING OF THE PROPOSED WELL.

9. **WELL SITE LAYOUT.**

- A. THE RESERVE PIT WILL BE LOCATED ON THE NORTH SIDE OF THE LOCATION.
- B. THE STOCKPILED TOPSOIL (FIRST SIX INCHES) WILL BE STORED ALONG THE SOUTH SIDE OF THE WELLPAD AS SHOWN ON THE RIG LAYOUT.
- C. SEE LOCATION LAYOUT FOR ORIENTATION OF RIG, CROSS SECTION OF DRILL PAD AND CUTS AND FILLS.
- D. THE LOCATION OF MUD TANKS, RESERVE PIT, TRASH CAGE, PIPE RACKS, LIVING FACILITIES AND SOIL STOCKPILES ARE SHOWN ON THE LOCATION LAYOUT.
- E. ALL PITS WILL BE FENCED TO PREVENT WILDLIFE ENTRY.

- F. THE RESERVE PIT FENCING WILL BE ON THREE SIDES DURING OPERATIONS AND ON THE FOURTH SIDE WHEN THE RIG MOVES OFF LOCATION. PITS WILL BE FENCED AND MAINTAINED UNTIL CLEANUP.

10. **PLANS FOR RESTORATION OF SURFACE.**

PRODUCING LOCATION

- A. IMMEDIATELY UPON WELL COMPLETION, THE LOCATION AND SURROUNDING AREA WILL BE CLEARED OF ALL UNUSED TUBING, EQUIPMENT, DEBRIS, MATERIALS, TRASH AND JUNK NOT REQUIRED FOR PRODUCTION.
- B. IMMEDIATELY UPON WELL COMPLETION, ANY HYDROCARBONS ON THE PIT SHALL BE REMOVED IN ACCORDANCE WITH 43 CFR 3162.7-1.
- C. IF A PLASTIC NYLON REINFORCED LINER IS USED, IT SHALL BE TORN AND PERFORATED BEFORE BACKFILLING OF THE RESERVE PIT.
- D. ONCE THE RESERVE PIT IS DRY, THE RESERVE PIT AND THAT PORTION OF THE LOCATION NOT NEEDED FOR PRODUCTION FACILITIES/OPERATIONS WILL BE RECONTOURED TO THE APPROXIMATE NATURAL CONTOURS.
- E*. THE LOCATION WILL BE RECLAIMED AND RESEEDING AS REQUESTED BY THE BLM.

DRY HOLE

- F. AT SUCH TIME AS THE WELL IS PLUGGED AND ABANDONED, THE OPERATOR SHALL SUBMIT A SUBSEQUENT REPORT OF ABANDONMENT AND WILL RECLAIM LANDS AS PER GUIDELINES PURSUANT TO AO.

11. **SURFACE OWNERSHIP.**

- A. ACCESS ROADS - ALL EXISTING IMPROVED ROADS ARE COUNTY MAINTAINED AND ENCROACHMENT HAS BEEN APPROVED. ACCESS EASEMENT IS BEING NEGOTIATED WITH SURFACE OWNER OF NON-FEDERAL LAND.
- B. WELLPAD - THE WELLPAD IS LOCATED ON LANDS MANAGED BY BUREAU OF LAND MANAGEMENT.

12. **OTHER INFORMATION.**

- A. A CLASS III ARCHAEOLOGY SURVEY WILL BE CONDUCTED BY AN APPROVED ARCHAEOLOGICAL CONSULTANT. THIS SURVEY WILL BE CONDUCTED AT THE TIME OF ON-SITE INSPECTION BY THE BLM. A COPY OF THE REPORT WILL BE SUPPLIED TO THE BLM DISTRICT ARCHAEOLOGIST, PRICE, UTAH.
- B*. ANY CULTURAL AND/OR PALEONTOLOGICAL RESOURCE (HISTORIC OR PREHISTORIC SITE OR OBJECT) DISCOVERED BY THE PERMITTEE, OR ANY PERSON WORKING ON HIS BEHALF, ON PUBLIC OR FEDERAL LAND SHALL BE IMMEDIATELY REPORTED TO THE AUTHORIZED OFFICER. THE PERMITTEE SHALL SUSPEND ALL OPERATIONS IN THE IMMEDIATE AREA OF SUCH DISCOVERY UNTIL WRITTEN AUTHORIZATION TO PROCEED IS ISSUED BY THE AUTHORIZED OFFICER. AN EVALUATION OF THE DISCOVERY SHALL BE MADE BY THE AUTHORIZED OFFICER TO DETERMINE APPROPRIATE ACTIONS TO PREVENT THE LOSS OF SIGNIFICANT CULTURAL OR SCIENTIFIC VALUES. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE COST OF EVALUATION AND ANY DECISION AS TO PROPER MITIGATION MEASURES SHALL BE MADE BY THE SAN RAFAEL RESOURCE AREA MANAGER'S AUTHORIZED OFFICER AFTER CONSULTING WITH THE PERMITTEE.

THE OPERATOR IS RESPONSIBLE FOR INFORMING ALL PERSONS IN THE AREAS WHO ARE ASSOCIATED WITH THIS PROJECT, THAT THEY WILL BE SUBJECT TO PROSECUTION FOR

KNOWINGLY DISTURBING HISTORIC OR ARCHAEOLOGICAL SITES, OR FOR COLLECTING ARTIFACTS. IF HISTORIC OR ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING CONSTRUCTION, THE OPERATOR IS TO IMMEDIATELY STOP WORK THAT MIGHT FURTHER DISTURB SUCH MATERIALS, AND CONTACT THE AUTHORIZED OFFICER (AO). WITHIN FIVE WORKING DAYS, THE AO WILL INFORM THE OPERATOR AS TO:

- WHETHER THE MATERIALS APPEAR ELIGIBLE FOR THE NATIONAL REGISTER OF HISTORIC PLACES;

- THE MITIGATION MEASURES THE OPERATOR WILL LIKELY HAVE TO UNDERTAKE BEFORE THE SITE CAN BE USED (ASSUMING IN SITU PRESERVATION IS NOT NECESSARY); AND

- A TIME FRAME FOR THE AO TO COMPLETE AND EXPEDITE REVIEW UNDER 36 CFR 800.11 TO CONFORM, THROUGH THE STATE HISTORIC PRESERVATION OFFICER, THAT THE FINDINGS OF THE AO ARE CORRECT AND THAT MITIGATION IS APPROPRIATE. IF THE OPERATOR WISHES, AT ANY TIME, TO RELOCATE ACTIVITIES TO AVOID THE EXPENSE OF MITIGATION AND/OR THE DELAYS ASSOCIATED WITH THIS PROCESS, THE AO WILL ASSUME RESPONSIBILITY FOR WHATEVER RECORDATION AND STABILIZATION OF THE EXPOSED MATERIALS MAY BE REQUIRED. OTHERWISE, THE OPERATOR WILL BE RESPONSIBLE FOR MITIGATION COSTS. THE AO WILL PROVIDE TECHNICAL AND PROCEDURAL GUIDELINES FOR THE CONDUCT OF MITIGATION. UPON VERIFICATION FROM THE AO THAT REQUIRED MITIGATION HAS BEEN COMPLETED, THE OPERATOR WILL THEN BE ALLOWED TO RESUME CONSTRUCTION.

- C. ALL LEASE AND/OR UNIT OPERATIONS WILL BE CONDUCTED IN SUCH A MANNER THAT FULL COMPLIANCE IS MADE WITH ALL APPLICABLE LAWS, REGULATIONS, ONSHORE OIL AND GAS ORDERS, THE APPROVED PLAN OF OPERATIONS, AND ANY APPLICABLE NOTICE TO LESSEES. THE OPERATOR IS FULLY RESPONSIBLE FOR THE ACTIONS OF HIS SUBCONTRACTORS. A COPY OF THESE CONDITIONS WILL BE FURNISHED TO THE REPRESENTATIVE TO INSURE COMPLIANCE.
- D. A COMPLETE COPY OF THE APPROVED APD SHALL BE ON LOCATION DURING CONSTRUCTION OF THE LOCATION AND DRILLING ACTIVITIES.
- E. THERE WILL BE NO DEVIATION FROM THE PROPOSED DRILLING AND/OR WORKOVER PROGRAM WITHOUT PRIOR APPROVAL FROM THE AO. SAFE DRILLING AND OPERATING PRACTICES MUST BE OBSERVED. ALL WELLS, WHETHER DRILLING, PRODUCING, SUSPENDED, OR ABANDONED WILL BE IDENTIFIED IN ACCORDANCE WITH 43 CFR 3162.H.
- F. "SUNDRY NOTICE AND REPORT ON WELLS" (FORM 3160-5) WILL BE FILED FOR APPROVAL FOR ALL CHANGES OF PLANS AND OTHER OPERATIONS IN ACCORDANCE WITH 43 CFR 3162.3-2.
- G. THIS PERMIT WILL BE VALID FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. AN EXTENSION PERIOD MAY BE GRANTED, IF REQUESTED, PRIOR TO THE EXPIRATION OF THE ORIGINAL APPROVAL PERIOD.
- H. THE OPERATOR OR HIS CONTRACTOR SHALL CONTACT THE BLM OFFICES AT (801)637-4584, 48 HOURS PRIOR TO CONSTRUCTION ACTIVITIES.
- I. IF THE WELL PROVES ECONOMIC, A GAS FLOWLINE AND WATER GATHERING LINE WILL BE INSTALLED ON LEASE.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION.**

PERMIT MATTERS
TEXACO E. & P., INC.
TED A. TIPTON
3300 N. BUTLER AVE.
FARMINGTON, NM 87401
(505) 325-4397

DRILLING AND COMPLETION MATTERS
TEXACO E. & P., INC.
P.O. BOX 46510
DENVER, CO 80201-6510
(303) 793-4000 MAIN NUMBER
(303) 793-4936 - (W) STEVE GODFREY
(303) 347-0737 - (H)

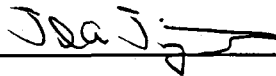
CERTIFICATION

I HEREBY CERTIFY THAT I, OR PERSONS UNDER MY DIRECT SUPERVISION, HAVE INSPECTED THE PROPOSED DRILLSITE AND ACCESS ROUTE; THAT I AM FAMILIAR WITH THE CONDITIONS WHICH PRESENTLY EXIST; THAT THE STATEMENTS MADE IN THIS PLAN ARE, TO THE BEST OF MY KNOWLEDGE, TRUE AND CORRECT; AND, THAT THE WORK ASSOCIATED WITH THE OPERATIONS PROPOSED HEREIN WILL BE PERFORMED BY TEXACO EXPLORATION & PRODUCTION, INC. AND ITS CONTRACTORS AND SUBCONTRACTORS IN CONFORMITY WITH THE PLAN AND THE TERMS AND CONDITIONS UNDER WHICH IT IS APPROVED.

THIS STATEMENT IS SUBJECT TO THE PROVISIONS OF 18.U.S.C. 1001 FOR THE FILING OF A FALSE STATEMENT.

5/1/96

DATE:



TED A. TIPTON
OPERATIONS UNIT MANAGER
TEXACO E. & P., INC.

DRILLING PROGRAM

OPERATOR: TEXACO EXPLORATION & PRODUCTION, INC.
WELL NAME: UTAH FEDERAL 'I' #33-22
LEASE NUMBER: UTU-68532
LOCATION: 1980' FNL - 500' FEL, SECTION 33, T21S/R6E SLPM, EMERY CO.,UTAH

1. **ESTIMATED TOPS OF GEOLOGIC MARKERS.**

THE ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS ARE AS FOLLOWS:

<u>FORMATION</u>	<u>DEPTH</u>	<u>SUBSEA</u>
BLUEGATE	100'	+6280'
FERRON	1380'	+5000'
T.D.	1885'	+4495'

2. **ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS, WATER, OR OTHER MINERAL BEARING ZONES.**

<u>SUBSTANCE</u>	<u>FORMATION</u>	<u>DEPTH</u>
WATER,GAS	FERRON COALS	1380
GAS	FERRON SANDSTONES	1380
OIL	N/A	
OTHER MINERALS	N/A	

ALL FRESH WATER AND PROSPECTIVELY VALUABLE MINERALS ENCOUNTERED DURING DRILLING, WILL BE RECORDED BY DEPTH AND ADEQUATELY PROTECTED. ALL OIL AND GAS SHOWS WILL BE TESTED TO DETERMINE COMMERCIAL POTENTIAL.

ALL WATER SHOWS AND WATER-BEARING SANDS WILL BE REPORTED TO THE BLM IN MOAB, UTAH. COPIES OF STATE OF UTAH FORM OGC-8-X ARE ACCEPTABLE. IF NOTICEABLE WATER FLOWS ARE DETECTED, SAMPLES WILL BE SUBMITTED TO THE BLM ALONG WITH ANY WATER ANALYSIS CONDUCTED.

3. **BOP EQUIPMENT.**

TEXACO'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT ARE AS FOLLOWS:

RAM TYPE: 11" HYDRAULIC DOUBLE, 2000 PSI W.P.

RAM TYPE PREVENTERS AND ASSOCIATED EQUIPMENT SHALL BE TESTED TO APPROVED STACK WORKING PRESSURE IF ISOLATED BY TEST PLUG OR TO 70 PERCENT OF INTERNAL YIELD PRESSURE OF CASING. PRESSURE SHALL BE MAINTAINED FOR AT LEAST 10 MINUTES OR UNTIL REQUIREMENTS OF TEST ARE MET, WHICHEVER IS LONGER. IF A TEST PLUG IS UTILIZED, NO BLEED-OFF PRESSURE IS ACCEPTABLE. FOR A TEST NOT UTILIZING A TEST PLUG, IF A DECLINE IN PRESSURE OF MORE THAN 10 PERCENT IN 30 MINUTES OCCURS, THE TEST SHALL BE CONSIDERED TO HAVE FAILED. VALVE ON CASING HEAD BELOW TEST PLUG SHALL BE OPEN DURING TEST OF BOP STACK.

ANNULAR TYPE PREVENTERS (IF USED) SHALL BE TESTED TO 50 PERCENT OF RATED WORKING PRESSURE. PRESSURE SHALL BE MAINTAINED AT LEAST 10 MINUTES OR UNTIL PROVISIONS OF TEST ARE MET, WHICHEVER IS LONGER.

AS A MINIMUM, THE ABOVE TEST SHALL BE PERFORMED:

- A. WHEN INITIALLY INSTALLED;
- B. WHENEVER ANY SEAL SUBJECT TO TEST PRESSURE IS BROKEN

- C. FOLLOWING RELATED REPAIRS; AND
- D. AT 30 DAY INTERVALS

VALVES SHALL BE TESTED FROM WORKING PRESSURE SIDE DURING BOPE TESTS WITH ALL DOWNSTREAM VALVES OPEN.

WHEN TESTING THE KILL LINE VALVE(S), THE CHECK VALVE SHALL BE HELD OPEN OR THE BALL REMOVED.

ANNULAR PREVENTERS (IF USED) SHALL BE FUNCTIONALLY OPERATED AT LEAST WEEKLY.

PIPE AND BLIND RAMS SHALL BE ACTIVATED EACH TRIP, HOWEVER, THIS FUNCTION NEED NOT BE PERFORMED MORE THAN ONCE A DAY.

A BOPE PIT LEVEL DRILL SHALL BE CONDUCTED WEEKLY FOR EACH DRILLING CREW.

PRESSURE TESTS SHALL APPLY TO ALL RELATED WELL CONTROL EQUIPMENT.

ALL OF THE ABOVE DESCRIBED TESTS AND/OR DRILLS SHALL BE RECORDED IN THE DRILLING LOG. TEST CHARTS, WITH INDIVIDUAL TEST RESULTS IDENTIFIED, SHALL BE MAINTAINED ON LOCATION WHILE DRILLING AND SHALL BE MADE AVAILABLE TO A BLM REPRESENTATIVE UPON REQUEST. PRESSURE TESTS SHALL APPLY TO ALL RELATED WELL CONTROL EQUIPMENT.

BOP SYSTEMS SHALL BE CONSISTENT WITH API RP53. PRESSURE TESTS WILL BE CONDUCTED BEFORE DRILLING OUT FROM UNDER CASING STRINGS WHICH HAVE BEEN SET AND CEMENTED IN PLACE. BLOWOUT PREVENTER CONTROLS WILL BE INSTALLED PRIOR TO DRILLING THE SURFACE CASING PLUG AND WILL REMAIN IN USE UNTIL THE WELL IS COMPLETED OR ABANDONED. PREVENTERS WILL BE INSPECTED AND OPERATED AT LEAST DAILY TO ENSURE GOOD MECHANICAL WORKING ORDER, AND THIS INSPECTION WILL BE RECORDED ON THE DAILY DRILLING REPORT. PREVENTERS WILL BE PRESSURE TESTED BEFORE DRILLING CASING CEMENT PLUGS.

THE SAN RAFAEL RESOURCE AREA OFFICE SHALL BE NOTIFIED, AT LEAST 24 HOURS PRIOR TO INITIATING THE PRESSURE TEST, IN ORDER TO HAVE A BLM REPRESENTATIVE ON LOCATION DURING PRESSURE TESTING.

- A. THE SIZE AND RATING OF THE BOP STACK IS SHOWN ON THE ATTACHED DIAGRAM. ALTHOUGH A RIG HAS NOT BEEN CHOSEN TO DRILL THIS WELL, MOST OF THE EQUIPMENT FOR THIS DEPTH OF HOLE IN THE AREA USE A 11", 2000 PSI WORKING PRESSURE BLOWOUT PREVENTOR.
- B. A CHOKE LINE AND A KILL LINE ARE TO BE PROPERLY INSTALLED. THE KILL LINE IS NOT TO BE USED AS A FILL UP LINE.
- C. THE ACCUMULATOR SYSTEM SHALL HAVE A PRESSURE CAPACITY TO PROVIDE FOR REPEATED OPERATION OF HYDRAULIC PREVENTORS.
- D. DRILL STRING SAFETY VALVE(S), TO FIT ALL TOOLS IN THE DRILL STRING, ARE TO BE MAINTAINED ON THE RIG FLOOR WHILE DRILLING OPERATIONS ARE IN PROGRESS.

4. CASING AND CEMENTING PROGRAMS.

- A. THE SAN RAFAEL RESOURCE AREA OFFICE SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE RUNNING AND CEMENTING OF ALL CASING STRINGS, IN ORDER TO HAVE A BLM REPRESENTATIVE ON LOCATION WHILE RUNNING AND CEMENTING ALL CASING STRINGS.
- B. THE PROPOSED CASING AND CEMENTING PROGRAM SHALL BE CONDUCTED AS APPROVED TO PROTECT AND/OR ISOLATE ALL USABLE WATER ZONES, POTENTIALLY PRODUCTIVE ZONES, LOST CIRCULATION ZONES, ABNORMALLY PRESSURED ZONES, AND ANY PROSPECTIVELY VALUABLE DEPOSITS OF MINERALS. ANY ISOLATING MEDIUM OTHER THAN CEMENT SHALL RECEIVE

APPROVAL PRIOR TO USE. THE CASING SETTING DEPTH SHALL BE CALCULATED TO POSITION THE CASING SEAT OPPOSITE A COMPETENT FORMATION WHICH WILL CONTAIN THE MAXIMUM PRESSURE TO WHICH IT WILL BE EXPOSED DURING NORMAL DRILLING OPERATIONS. DETERMINATIONS OF CASING SETTINGS DEPTH SHALL BE BASED ON ALL RELEVANT FACTORS, INCLUDING; PRESENCE/ABSENCE OF HYDROCARBONS; FRACTURE GRADIENTS; USABLE WATER ZONES; FORMATION PRESSURES; LOST CIRCULATION ZONES; OTHER MINERALS; OR OTHER UNUSUAL CHARACTERISTICS. ALL INDICATIONS OF USABLE WATER SHALL BE REPORTED.

- C. CASING DESIGN SHALL ASSUME FORMATION PRESSURE GRADIENTS OF 0.44 TO 0.50 PSI PER FOOT FOR EXPLORATORY WELLS (LACKING BETTER DATA).
- D. CASING DESIGN SHALL ASSUME FRACTURE GRADIENTS FROM 0.70 TO 1.00 PSI PER FOOT FOR EXPLORATORY WELLS (LACKING BETTER DATA).
- E. CASING COLLARS SHALL HAVE A MINIMUM CLEARANCE OF 0.422 INCHES OF ALL SIDES IN THE HOLE/CASING ANNULUS, WITH RECOGNITION THAT VARIANCES CAN BE GRANTED FOR JUSTIFIED EXCEPTIONS.
- F. ALL WAITING ON CEMENT TIMES SHALL BE ADEQUATE TO ACHIEVE A MINIMUM OF 500 PSI COMPRESSIVE STRENGTH AT THE CASING SHOE PRIOR TO DRILLING OUT.
- G. ALL CASING EXCEPT THE CONDUCTOR CASING, SHALL BE NEW OR RECONDITIONED AND TESTED, USING CASING THAT MEETS OR EXCEEDS API STANDARDS FOR NEW CASING.
- H. THE SURFACE CASING SHALL BE CEMENTED BACK TO SURFACE EITHER DURING THE PRIMARY CEMENTING JOB OR BY REMEDIAL CEMENTING.
- I. ALL INDICATIONS OF USABLE WATER SHALL BE REPORTED TO THE AUTHORIZED OFFICER PRIOR TO RUNNING THE NEXT STRING OF CASING OR BEFORE PLUGGING ORDERS ARE REQUESTED, WHICHEVER OCCURS FIRST.
- J. THE SURFACE CASING SHALL HAVE CENTRALIZERS ON THE BOTTOM THREE JOINTS OF CASING (A MINIMUM OF ONE CENTRALIZER PER JOINT, STARTING WITH THE SHOE JOINT), THEN EVERY FOURTH JOINT OF CASING UP TO THE BOTTOM OF THE CELLAR.
- K. TOP PLUGS SHALL BE USED TO REDUCE CONTAMINATION OF CEMENT BY DISPLACEMENT FLUID. A BOTTOM PLUG OR OTHER ACCEPTABLE TECHNIQUE, SUCH AS A SUITABLE PREFLUSH FLUID, INNER STRING CEMENT METHOD, ETC. SHALL BE UTILIZED TO HELP ISOLATE THE CEMENT FROM CONTAMINATION BY THE MUD FLUID BEING DISPLACED AHEAD OF THE CEMENT SLURRY.
- L. ALL CASING STRINGS BELOW THE CONDUCTOR SHALL BE PRESSURE TESTED TO 0.22 PSI PER FOOT OF CASING STRING LENGTH OR 1500 PSI, WHICHEVER IS GREATER, BUT NOT TO EXCEED 70 PERCENT OF THE MINIMUM INTERNAL YIELD. IF PRESSURE DECLINES MORE THAN 10 PERCENT IN 30 MINUTES, CORRECTIVE ACTION SHALL BE TAKEN.
- M. ON ALL EXPLORATORY WELLS, AND ON THAT PORTION OF ANY WELL APPROVED FOR A 5M BOPE SYSTEM OR GREATER, A PRESSURE INTEGRITY TEST OF EACH CASING SHOE SHALL BE PERFORMED. FORMATION AT THE SHOE SHALL BE TESTED TO A MINIMUM OF THE MUD WEIGHT EQUIVALENT ANTICIPATED TO CONTROL THE FORMATION PRESSURE TO THE CASING DEPTH OR AT TOTAL DEPTH OF THE WELL. THIS TEST SHALL BE PERFORMED BEFORE DRILLING MORE THAN 20 FEET OF NEW HOLE.

N. THE PROPOSED CASING PROGRAM WILL BE AS FOLLOWS:

<u>PURPOSE</u>	<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>O.D.</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TYPE</u>	<u>NEW OR USED</u>
SURFACE	0-300'	17-1/2"	13-3/8"	48#	H-40	ST&C	NEW
INTERMEDIATE	0-1380'	12-1/4"	8-5/8"	32#	K-55	LT&C	NEW
PRODUCTION LINER	1180'-1885'	7-7/8"	5-1/2"	17#	N-80	LT&C	NEW

O. CASING DESIGN SUBJECT TO REVISION BASED ON GEOLOGIC CONDITIONS ENCOUNTERED.

P. THE CEMENT PROGRAM WILL BE AS FOLLOWS:

<u>SURFACE</u>	<u>TYPE AND AMOUNT</u>
0-300'	CEMENT TO SURFACE WITH 400 SX CLASS 'G' CEMENT WITH 2% CaCl ₂ AND 1/4#/SK FLOCELE. 15.8 PPG, 1.15 CU FT/SK
<u>INTERMEDIATE</u>	<u>TYPE AND AMOUNT</u>
LEAD 880'-0'	CEMENT TO SURFACE WITH 130 SX CLASS 'G' CEMENT WITH 12% GEL, AND 10% SALT. 11.0 PPG, 3.91 CU FT/SK
TAIL 1380'-880'	CEMENT WITH 210 SX RFC 10-1 BLEND. 14.2 PPG, 1.61 CU FT/SK
<u>PRODUCTION LINER</u>	<u>TYPE AND AMOUNT</u>
1885'-1180'	CEMENT TO 200' ABOVE INTERMEDIATE SHOE(LOC @+/- 1180') WITH 180 SX CEMENT RFC 10-1 BLEND. 14.2 PPG, 1.61 CU FT/SK

Q. THE SAN RAFAEL RESOURCE AREA OFFICE SHOULD BE NOTIFIED, WITH SUFFICIENT LEAD TIME, IN ORDER TO HAVE A BLM REPRESENTATIVE ON LOCATION WHILE RUNNING AND CEMENTING ALL CASING STRINGS.

R. AFTER CEMENTING, BUT BEFORE COMMENCING ANY TEST, THE CASING STRING SHALL STAND CEMENTED UNTIL THE CEMENT HAS REACHED A COMPRESSIVE STRENGTH OF AT LEAST 500 PSI AT THE SHOE. WOC TIME SHALL BE RECORDED IN THE DRILLER'S LOG.

S. THE FOLLOWING REPORTS SHALL BE FILED WITH THE BLM WITHIN 30 DAYS AFTER THE WORK IS COMPLETED.

1. PROGRESS REPORTS, FORM 3160-5 "SUNDRY NOTICES AND REPORTS ON WELLS", MUST INCLUDE COMPLETE INFORMATION CONCERNING:

A. SETTING OF EACH STRING OF CASING, SHOWING THE SIZE, GRADE, WEIGHT OF CASING SET, HOLE SIZE, SETTING DEPTH, AMOUNTS AND TYPES OF CEMENT USED, WHETHER CEMENT CIRCULATED OR THE TOP OF THE CEMENT BEHIND THE CASING, DEPTH OF CEMENTING TOOLS USED, CASING TEST METHOD AND RESULTS, AND THE DATE WORK WAS DONE. SHOW THE SPUD DATE ON THE FIRST REPORT SUBMITTED.

T. AUXILIARY EQUIPMENT TO BE USED IS AS FOLLOWS:

1. KELLY COCK

2. NO BIT FLOAT IS DEEMED NECESSARY.
3. A SUB WITH A FULL OPENING VALVE.

5. **MUD PROGRAM**

- A. THE PROPOSED CIRCULATING MEDIUMS TO BE EMPLOYED IN DRILLING ARE AS FOLLOWS:

<u>INTERVAL</u>	<u>MUD TYPES</u>	<u>MUD WEIGHT</u>	<u>VISC.</u>	<u>F/L</u>	<u>PH</u>
0-1380'	AIR	--	--	--	--
1380'-1885'	FW GEL	8.6/8.9	--	--	--

IF TOO MUCH WATER IS ENCOUNTERED TO AIR DRILL, A FRESH WATER GEL MUD SYSTEM WILL BE UTILIZED BEFORE 1380'

- B. THE RIG IS NOT EQUIPPED WITH AN AUTO-IGNITOR OR DEBUSTER EQUIPMENT.
- C. HAZARDOUS SUBSTANCES SPECIFICALLY LISTED BY THE E.P.A. AS A HAZARDOUS WASTE OR DEMONSTRATING A CHARACTERISTIC OF A HAZARDOUS WASTE WILL NOT BE USED IN DRILLING, TESTING OR COMPLETION OPERATIONS. DUE TO POTENTIAL CONTAMINATION OF USABLE QUALITY WATER AQUIFERS, CHROMATES ARE BANNED FROM FEDERAL LEASES.

6. **EVALUATION PROGRAM.**

THE ANTICIPATED TYPE AND AMOUNT OF TESTING, LOGGING AND CORING ARE AS FOLLOWS:

- A. NO DRILL STEM TESTS (DST) ARE ANTICIPATED, HOWEVER, IF DST'S ARE RUN, THE FOLLOWING REQUIREMENTS WILL BE ADHERED TO:

INITIAL OPENING OF DST TOOLS SHALL BE RESTRICTED TO DAYLIGHT HOURS, UNLESS SPECIFIC APPROVAL TO START DURING OTHER HOURS IS OBTAINED FROM THE AUTHORIZED OFFICER. HOWEVER, DST'S MAY BE ALLOWED TO CONTINUE AT NIGHT IF THE TEST WAS INITIATED DURING DAYLIGHT HOURS AND THE RATE OF FLOW IS STABILIZED AND IF ADEQUATE LIGHTING IS AVAILABLE (I.E. LIGHTING WHICH IS ADEQUATE FOR VISIBILITY AND VAPOR-PROOF FOR SAFE OPERATIONS). PACKERS CAN BE RELEASED, BUT TRIPPING SHALL NOT BEGIN BEFORE DAYLIGHT, UNLESS PRIOR APPROVAL IS OBTAINED FROM THE AUTHORIZED OFFICER. CLOSED CHAMBER DST'S MAY BE ACCOMPLISHED DAY OR NIGHT.

A DST THAT FLOWS TO THE SURFACE WITH EVIDENCE OF HYDROCARBONS SHALL BE EITHER REVERSED OUT OF THE TESTING STRING UNDER CONTROLLED SURFACE CONDITIONS. THIS WOULD INVOLVE PROVIDING SOME MEANS FOR REVERSE CIRCULATION.

SEPARATION EQUIPMENT REQUIRED FOR THE ANTICIPATED RECOVERY SHALL BE PROPERLY INSTALLED BEFORE A TEST STARTS.

ALL ENGINES WITHIN 100 FEET OF THE WELLBORE THAT ARE REQUIRED TO "RUN" DURING THE TEST SHALL HAVE SPARK ARRESTERS OR WATER COOLED EXHAUSTS.

- B. THE LOGGING PROGRAM WILL CONSIST OF A GR-LDT-CNL FROM 380'-1885'. A HIGH RESOLUTION COAL LOG WILL BE RUN FROM 1380'-1885'. A GR-SFL-DIL LOG WILL BE RUN FROM 300'-1885'.
- C. WELL WILL BE CORED IN THE FERRON INTERVAL FROM APPROX. 1380'-1680'.
- D. WHETHER THE WELL IS COMPLETED AS A DRY HOLE OR AS A PRODUCER, "WELL COMPLETION AND RECOMPLETION REPORT AND LOG" (FORM 3160-4) WILL BE SUBMITTED NOT LATER THAN 30

DAYS AFTER COMPLETION OF THE WELL OR AFTER COMPLETION OF OPERATIONS PERFORMED, IN ACCORDANCE WITH 43 CFR 3164. TWO COPIES OF ALL LOGS, CORE DESCRIPTIONS, CORE ANALYSES, WELL-TEST DATA, GEOLOGIC SUMMARIES, SAMPLE DESCRIPTION, AND ALL OTHER SURVEYS OR DATA OBTAINED AND COMPILED DURING THE DRILLING, WORKOVER, AND/OR COMPLETION OPERATIONS, WILL BE FILED WITH FORM 3160-4. SAMPLES (CUTTINGS, FLUIDS, AND/OR GASES) WILL BE SUBMITTED WHEN REQUESTED BY THE AUTHORIZED OFFICER (AO).

- E. THE ANTICIPATED COMPLETION PROGRAM IS AS FOLLOWS:

SET 5-1/2" PRODUCTION LINER. PERFORATE AND FRACTURE TREAT FERRON FORMATION. FLOW TEST.

7. **ABNORMAL PRESSURES AND H2S GAS.**

- A. NO ABNORMAL CONDITIONS ARE ANTICIPATED; FORMATION IS SLIGHTLY OVER-PRESSURED. THE ESTIMATED BOTTOM-HOLE PRESSURE IS 1545 PSI. NO ABNORMAL TEMPERATURES ARE ANTICIPATED.
- B. NO HYDROGEN SULFIDE GAS IS ANTICIPATED.

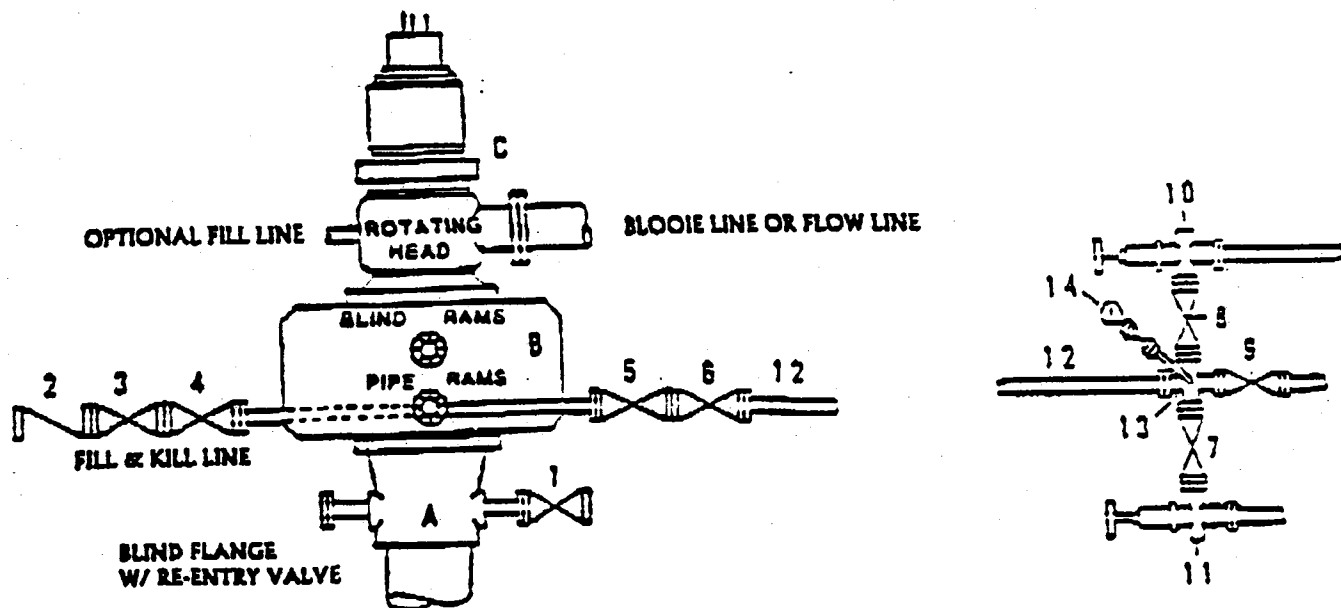
8. **NOTIFICATION REQUIREMENTS AND OTHER INFORMATION.**

- A. SHOULD THE WELL BE SUCCESSFULLY COMPLETED FOR PRODUCTION, THE AO WILL BE NOTIFIED WHEN THE WELL IS PLACED IN A PRODUCING STATUS. SUCH NOTIFICATION WILL BE SENT BY TELEGRAM OR OTHER WRITTEN COMMUNICATIONS, NOT LATER THAN 5 DAYS FOLLOWING THE DATE ON WHICH THE WELL IS PLACED ON PRODUCTION.
- B. PRODUCTION DATA SHALL BE REPORTED TO THE MMS PURSUANT TO 30 CFR 216.5 USING FORM MMS/3160.
- C. THE DATE ON WHICH PRODUCTION IS COMMENCED OR RESUMED WILL BE CONSTRUED FOR OIL WELLS AS THE DATE ON WHICH LIQUID HYDROCARBONS ARE FIRST SOLD OR SHIPPED FROM A TEMPORARY STORAGE FACILITY, SUCH AS A TEST TANK, AND FOR WHICH A RUN TICKET IS REQUIRED TO BE GENERATED OR, THE DATE ON WHICH LIQUID HYDROCARBONS ARE FIRST PRODUCED INTO A PERMANENT STORAGE FACILITY, WHICHEVER FIRST OCCURS; AND FOR GAS WELLS AS THE DATE ON WHICH ASSOCIATED LIQUID HYDROCARBONS ARE FIRST SOLD OR SHIPPED FROM A TEMPORARY STORAGE FACILITY, SUCH AS A TEST TANK, AND FOR WHICH A RUN TICKET IS REQUIRED TO BE GENERATED OR THE DATE ON WHICH GAS IS FIRST MEASURED THROUGH PERMANENT METERING FACILITIES, WHICHEVER FIRST OCCURS.
- D. PURSUANT TO NTL-4A, LESSEES OR OPERATORS ARE AUTHORIZED TO VENT/FLARE GAS DURING INITIAL WELL EVALUATION TEST, NOT EXCEEDING A PERIOD OF 30 DAYS OR THE PRODUCTION OF 50 MMCF OF GAS, WHICHEVER OCCURS FIRST. AN APPLICATION MUST BE FILED WITH THE DISTRICT ENGINEER AND APPROVAL RECEIVED, FOR ANY VENTING/FLARING OF GAS BEYOND THE INITIAL 30 DAY OR AUTHORIZED TEST PERIOD.
- E. GAS PRODUCED FROM THIS WELL MAY NOT BE VENTED OR FLARED BEYOND AN INITIAL AUTHORIZED TEST PERIOD OF 30 DAYS OR 50 MMCF FOLLOWING ITS COMPLETION, WHICHEVER OCCURS FIRST, WITHOUT THE PRIOR WRITTEN APPROVAL OF THE AUTHORIZED OFFICER. SHOULD GAS BE VENTED OR FLARED WITHOUT APPROVAL BEYOND THE AUTHORIZED TEST PERIOD, THE OPERATOR MAY BE DIRECTED TO SHUT-IN THE WELL UNTIL THE GAS CAN BE CAPTURED OR THE OPERATOR SHALL BE REQUIRED TO COMPENSATE THE LESSOR FOR THAT PORTION OF THE GAS VENTED OR FLARED WITHOUT APPROVAL WHICH IS DETERMINED TO HAVE BEEN AVOIDABLY LOST.
- F. A SCHEMATIC FACILITIES DIAGRAM AS REQUIRED BY CFR 3162.7-2, 3162.7-3 AND 3162.7-4 SHALL BE SUBMITTED TO THE APPROPRIATE DISTRICT OFFICE WITHIN 30 DAYS OF INSTALLATION OR

FIRST PRODUCTION, WHICHEVER OCCURS FIRST. ALL SITE SECURITY REGULATIONS AS SPECIFIED IN 43 CFR 3162.7 AND ONSHORE ORDER NO. 3 SHALL BE ADHERED TO. ALL PRODUCT LINES ENTERING AND LEAVING HYDROCARBON STORAGE TANKS WILL BE EFFECTIVELY SEALED IN ACCORDANCE WITH 43 CFR 3162.7-4.

- G. SECTION 102(B)(3) OF THE FEDERAL OIL AND GAS ROYALTY MANAGEMENT ACT OF 1982, AS IMPLEMENTED BY THE APPLICABLE PROVISIONS OF THE OPERATING REGULATIONS AT TITLE 43 CFR 3162.4-1(C), REQUIRES THAT "NOT LATER THAN THE 5TH BUSINESS DAY AFTER ANY WELL BEGINS PRODUCTION ON WHICH ROYALTY IS DUE ANYWHERE ON A LEASE SITE OR ALLOCATED TO A LEASE SITE, OR RESUMES PRODUCTION IN THE CASE OF A WELL WHICH HAS BEEN OFF PRODUCTION FOR MORE THAN 90 DAYS, THE OPERATOR SHALL NOTIFY THE AUTHORIZED OFFICER BY LETTER OR SUNDRY NOTICE, FORM 3160-5, OR ORALLY TO BE FOLLOWED BY A LETTER OR SUNDRY NOTICE, OF THE DATE ON WHICH SUCH PRODUCTION HAS BEGUN OR RESUMED."
- H. DRILLING WILL COMMENCE AS SOON AS POSSIBLE, UPON APPROVAL OF THIS APPLICATION.
- I. IT IS ANTICIPATED THAT THE DRILLING OF THIS WELL WILL TAKE APPROXIMATELY 5 DAYS.
- J. NO LOCATION WILL BE CONSTRUCTED OR MOVED, NO WELL WILL BE PLUGGED WITHOUT PRIOR APPROVAL OF THE AO. IF OPERATIONS ARE TO BE SUSPENDED, PRIOR APPROVAL OF THE AO WILL BE OBTAINED AND NOTIFICATION GIVEN BEFORE RESUMPTION OF OPERATIONS.
- K. IMMEDIATE REPORT: SPILLS, BLOWOUTS, FIRES, LEAKS, ACCIDENTS, OR ANY OTHER UNUSUAL OCCURRENCES SHALL BE PROMPTLY REPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF NTL-3A OR ITS REVISION.
- L. IF A REPLACEMENT RIG IS USED FOR COMPLETION OPERATIONS, ALL CONDITIONS OF THIS APPROVED PLAN ARE APPLICABLE DURING ALL OPERATIONS CONDUCTED WITH THE REPLACEMENT RIG.
- M. PURSUANT TO ONSHORE ORDER NO. 7, WITH THE APPROVAL OF THE DISTRICT ENGINEER, PRODUCED WATER MAY BE TEMPORARILY DISPOSED OF INTO UNLINED PITS FOR A PERIOD OF UP TO 90 DAYS. DURING THE PERIOD SO AUTHORIZED, AN APPLICATION FOR APPROVAL OF THE PERMANENT DISPOSAL METHOD, ALONG WITH THE REQUIRED WATER ANALYSIS AND OTHER INFORMATION, MUST BE SUBMITTED TO THE DISTRICT ENGINEER.
- N. NO WELL ABANDONMENT OPERATIONS WILL BE COMMENCED WITHOUT THE PRIOR APPROVAL OF THE AO. IN THE CASE OF NEWLY DRILLED DRY HOLES OR FAILURES, AND IN EMERGENCY SITUATIONS, ORAL APPROVAL WILL BE OBTAINED FROM THE AO. A "SUBSEQUENT REPORT OF ABANDONMENT" FORM 3160-5, WILL BE FILED WITH THE AO WITHIN 30 DAYS FOLLOWING COMPLETION OF THE WELL FOR ABANDONMENT. THIS REPORT WILL INDICATE WHERE PLUGS WERE PLACED AND THE CURRENT STATUS OF SURFACE RESTORATION. FINAL ABANDONMENT WILL NOT BE APPROVED UNTIL THE SURFACE RECLAMATION WORK REQUIRED BY THE APPROVED APD OR APPROVED ABANDONMENT NOTICE HAS BEEN COMPLETED TO THE SATISFACTION OF THE AO OR HIS REPRESENTATIVE, OR THE APPROPRIATE SURFACE MANAGING AGENCY.

TYPICAL 2000 p.s.i.
BLOWOUT PREVENTER SCHEMATIC
FOR AIR DRILLING



DRILLING CONTROL

MATERIAL LIST*

- A Texaco Wellhead.
- B 2000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 2000# W.P. control lines (where sub-structure height is adequate, 2 - 2000# W.P. single ram type preventers may be utilized).
- C Rotating head with extended Bleed Line (optional fill up outlet).
- 1, 3, 4 2" minimum 2000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 2000# W.P. back pressure valve.
- 5, 6, 9 2" minimum 2000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 2" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 2" minimum 2000# W.P. flanged cross.
- 10, 11 2" minimum 2000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent (location optional in choke line).
- 15 2" minimum 2000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.

*(OR EQUIVALENT)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/13/96

API NO. ASSIGNED: 43-015-30296

WELL NAME: UTAH FEDERAL 'I' 33-22
OPERATOR: TEXACO EXPL & PROD INC (N5700)

PROPOSED LOCATION:

SENE 33 - T21S - R06E
SURFACE: 1980-FNL-0500-FEL
BOTTOM: 1980-FNL-0500-FEL
EMERY COUNTY
WILDCAT FIELD (001)

LEASE TYPE: FED
LEASE NUMBER: UTU - 68532

PROPOSED PRODUCING FORMATION: FRSD

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number CO-0058)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number CITY OF HUNTINGTON)
☒ RDCC Review (Y/N)
(Date: _____)

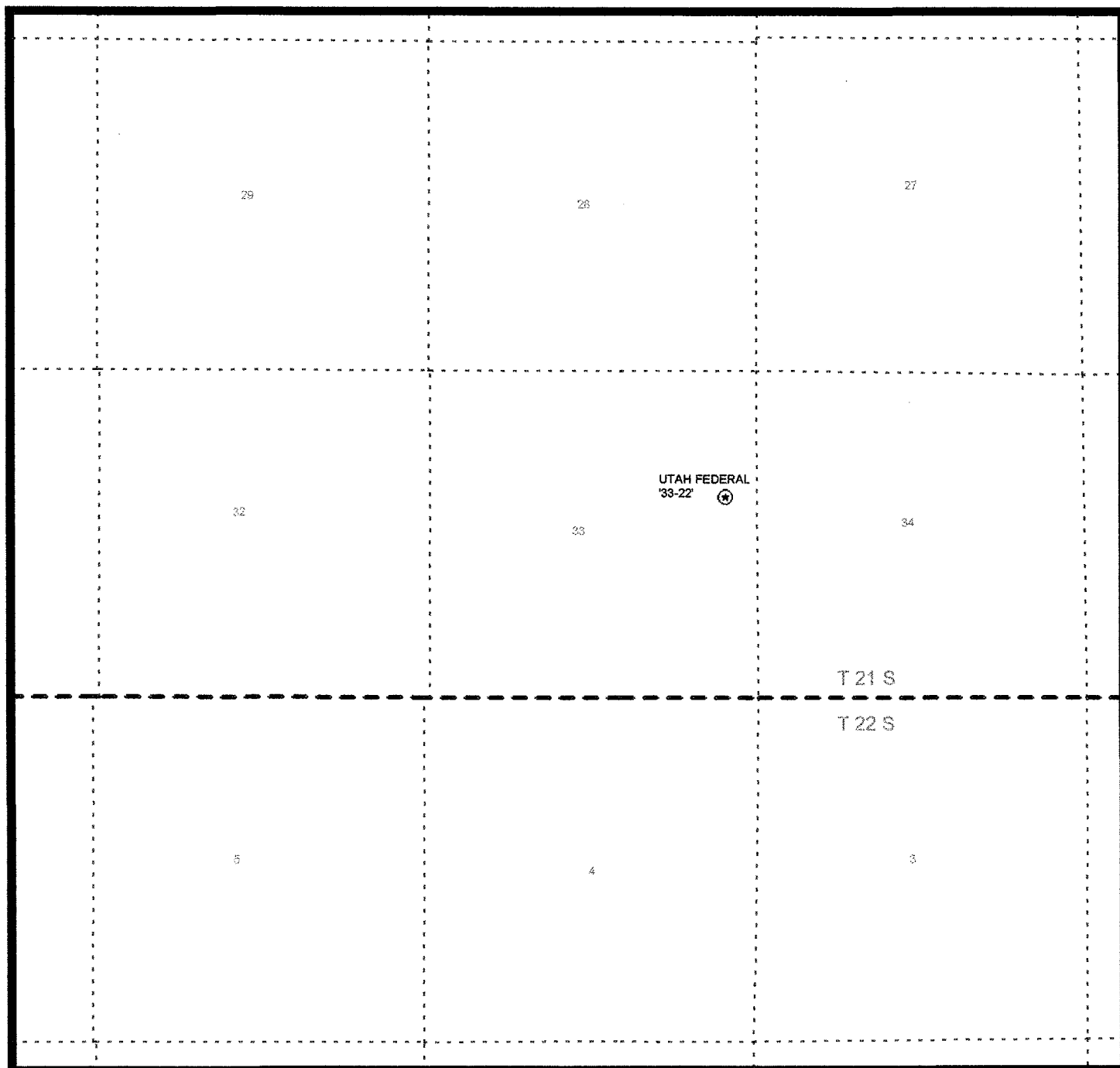
LOCATION AND SITING:

___ R649-2-3. Unit: _____
☒ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

TEXACO EXPLORATION
EXPLORATORY DRILLING
SEC.33, T21S, R6E
EMERY COUNTY, UAC R649-3-2



PREPARED:
DATE: 13-MAY-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: TEXACO EXPL & PROD INC	Well Name: UTAH FED I 33-22
Project ID: 43-015-30296	Location: SEC. 33 - T21S - R6E

Design Parameters:

Mud weight (19.20 ppg) : 0.997 psi/ft
 Shut in surface pressure : 1328 psi
 Internal gradient (burst) : 0.035 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	1,380	8.625	32.00	K-55	LT&C	1,380	7.875	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	1376	2530	1.839	1376	3930	2.86	44.16	452 10.24 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 10-30-1996
 Remarks :

FERRON SANDSTONE & COALS

Minimum segment length for the 1,380 foot well is 100 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas

temperature of 84°F (Surface 74°F , BHT 93°F & temp. gradient 1.400°/100 ft.)

String type: Intermediate - Prod

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: TEXACO EXPL & PROD INC	Well Name: UTAH FED I 33-22
Project ID: 43-015-30296	Location: SEC. 33 - T21S - R6E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 806 psi
 Internal gradient (burst) : 0.035 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	685	5.500	17.00	N-80	LT&C	1,885	4.767

	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	872	6280	7.202	872	7740	8.88	11.65	348	29.88 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 10-30-1996
 Remarks :

FERRON SANDSTONE & COALS

Minimum segment length for the 1,885 foot well is 100 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 84°F (Surface 74°F , BHT 100°F & temp. gradient 1.400°/100 ft.)

The liner string design has a specified top of 1,200 feet.

The burst load shown is the pressure at the bottom of the segment.

String type: Liner - Production

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 872 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: December 31, 1991

SUBMIT IN TRIPLICATE

06 MAY 19 1996

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. Lease Designation and Serial No. UTU-68532	
1b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER COAL-BED METHANE		6. If Indian, Allottee or Tribe Name	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION, INC.		7. If Unit or CA, Agreement Designation	
3. Address and Telephone No. 3300 N. Butler Ave., Suite Farmington NM 87401 325-4397		8. Well Name and Number UTAH FEDERAL 'I'	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At Surface Unit Letter H : 1980 Feet From The NORTH Line and 500 Feet From The EAST Line At proposed prod. zone		9. API Well No. 33-22	
14. Distance In Miles and Direction from Nearest Town or Post Office* APPROX. 2 MI. NORTH OF EMERY, UTAH		10. Field and Pool, Exploratory Area WILDCAT	
15. Distance From Proposed* Location to Nearest Property or Lease Line, Ft. (also to nearest drlg. unit line, if any) 500'	16. No. of Acres in Lease 2270.15	11. SEC., T., R., M., or BLK. and Survey or Area Sec. 33 , Township T21S , Range R6E	
18. Distance From Proposed Location* to Nearest Well, Drilling, Completed or Applied For, On This Lease, Ft. N/A	19. Proposed Depth	12. County or Parish EMERY	
21. Elevations (Show whether DF, RT, GR, etc.) KB DF GR		13. State UT	
		17. No. of Acres Assigned To This Well 160 AC.	
		20. Rotary or Cable Tools ROTARY	
		22. Approx. Date Work Will Start* 6/15/96	

RECEIVED
OCT 28 1996
DIV. OF OIL, GAS & MINING

CONFIDENTIAL-TIGHT HOLE

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A
Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

In Above Space Describe Proposed Program: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured true verticle depths. Give blowout preventer program, if any.

24. I hereby certify that the foregoing is true and correct
SIGNATURE Ted A. Tipton TITLE Operating Unit Manager DATE 5/2/96
TYPE OR PRINT NAME Ted A. Tipton

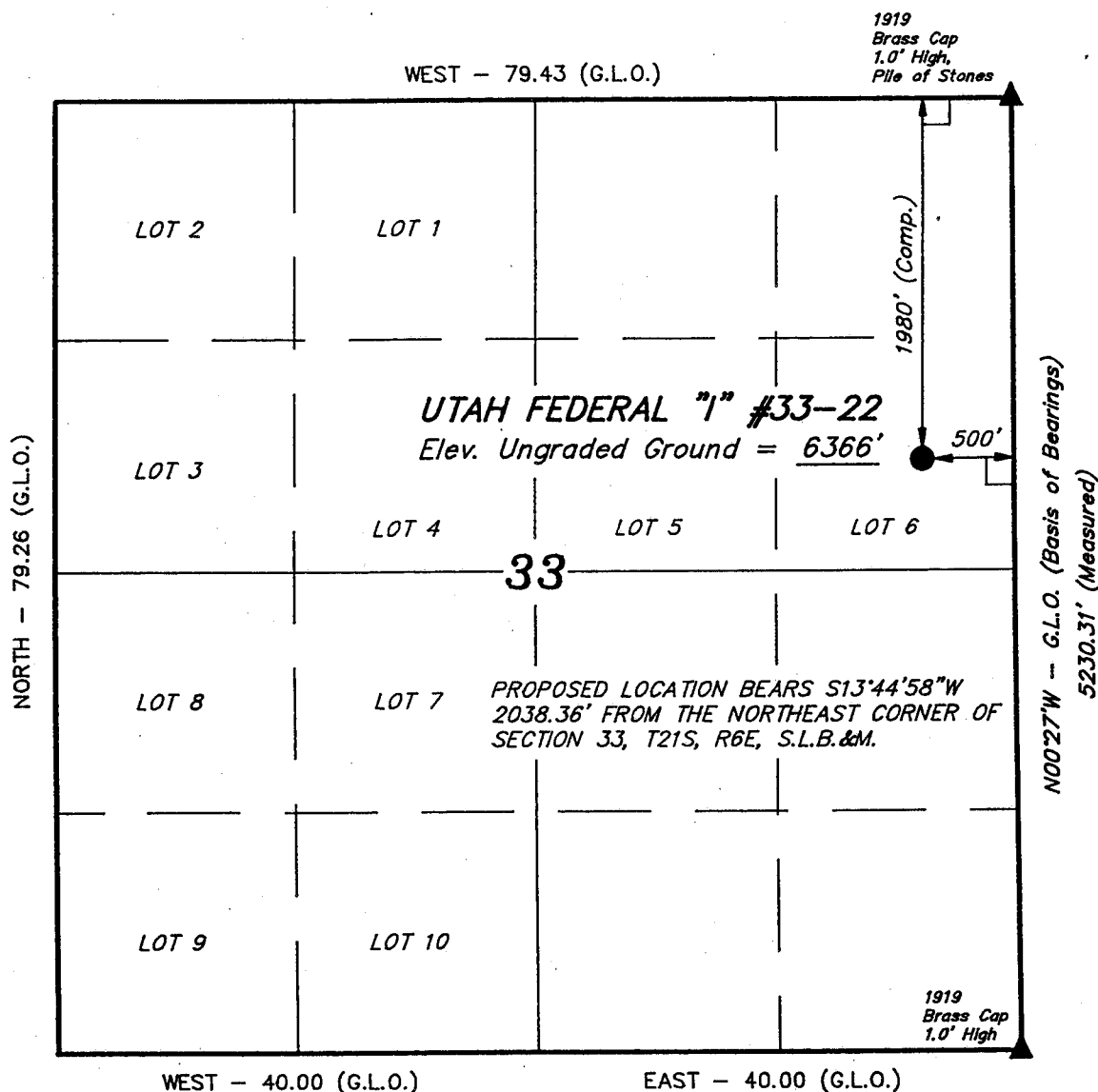
(This space for Federal or State office use)
PERMIT NO. 18/Brad D. Palmer APPROVAL DATE OCT 20 1996

Application approval does not warrant that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
APPROVED Assistant Field Manager,
CONDITIONS OF APPROVAL, IF ANY: Resource Management DATE OCT 20 1996

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOAM

T21S, R6E, S.L.B.&M.



LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

TEXACO EXPLR. & PROD., INC.

Well location, UTAH FEDERAL "I" #33-22, located as shown in the SE 1/4 NE 1/4 of Section 33, T21S, R6E, S.L.B.&M. Emery County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE SW 1/4 OF SECTION 35, T21S, R6E, S.L.B.&M. TAKEN FROM THE EMERY EAST QUADRANGLE, UTAH, EMERY COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6218 FEET.

Texaco Exploration & Production, Inc.
Utah Federal 'I' 33-22
Lease U-68532
SE/NE Section 33, T21S, R6E
Emery County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Texaco Exploration & Production, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CO 0058 (Principal - Texaco Exploration & Production, Inc.) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The requirements for air drilling, found in Onshore Oil and Gas Order No. 2, part III, E (Special Drilling Operations), shall be followed. Specifically, an auto-ignitor and deduster equipment shall be employed.
2. If cement does not circulate to surface on the production casing string (5-1/2"), a CBL or other appropriate tool must be used to determine top of cement. If the top of cement is below the surface casing shoe, remedial cementing will be required.

PRICE FIELD OFFICE
GENERAL OPERATING PROCEDURES
FOR OIL AND GAS APD'S AND RELATED RIGHTS-OF-WAY
CONDITIONS OF APPROVAL

August 27, 1996 a.m.

GENERAL REQUIREMENTS

1. An on-site inspector is to be provided by the operator during construction of all roads and drill pad sites to ensure compliance with all requirements and stipulations. The inspector will be designated at the pre-drill conference, and is to be given an approved copy of all maps, permits and stipulations before the start of construction. The BLM will also designate a representative for the project at the pre-drill conference.
2. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the permittee, or any person working on his behalf, on public or Federal land is to be immediately reported to the authorized officer. The operator will suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The operator is responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the BLM.

ROAD BUILDING AND MAINTENANCE PROCEDURES

3. Road construction or routine maintenance activities are to be performed during periods when the soil can adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil is deemed too wet to adequately support construction equipment. Earthwork operations are to be completed when the soil is not frozen.
4. Generally Class III road building and maintenance standards are to be used in the upgrading, use and maintenance of new roads authorized under the permit or right-of-way. No upgrading beyond the existing disturbed area is authorized in most cases for existing roads. If determined necessary by the authorized officer the roads may be upgraded to meet the standards for (Class II) (Class III) roads. The BLM may request that a higher road standard be utilized. This will be considered if due to poor drainage or other inherent problems with the current design of the road, damage to the public lands is occurring incidental to such road use.

5. The operator is responsible for maintenance of all roads authorized through the lease or a right-of-way. Class III (Resource) Road Standards as described in BLM Manual Section 9113 and the Moab District Road Standards are to be used. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, or other construction and maintenance requirements as directed by the authorized officer.
6. Suitable topsoil material is to be removed with clearing and stripping. This material is to be conserved in stockpiles within the pad. Topsoil is to be stripped and salvaged to an average depth of 2 - 6 inches, during the construction of all new roads and pads. Topsoil depth will be decided onsite by the BLM. If areas are left disturbed for a period over one (1) year, topsoil stockpiles are to be seeded with a mixture prescribed by the authorized officer.

GENERAL CONSTRUCTION PROCEDURES

7. Topsoil from access roads is to be wind rowed along the uphill side of the road. When the well is plugged and the road rehabilitated, this soil will then be used as a top coating for the seed bed.
8. Within six (6) months of installation all onsite facilities are to be painted a flat non-reflective color matching the standard environmental colors as determined by the Rocky Mountain Five State Interagency Committee (Extreme weather conditions may warrant an extension). Facilities required to be painted to comply with OSHA requirements are exempt from this requirement.
9. Generally, drill pads are to be designed to prevent overland flow of water from entering the site. The pad is to be sloped to drain spills and water into the reserve pit.

REHABILITATION PROCEDURES

Site Preparation

10. The entire roadbed and drill site should be obliterated and brought back to the approximate original contour. Drainage control is to be reestablished as necessary. All areas affected by road construction are to be recontoured to blend in with the existing topography. All berms are to be removed. In recontouring the disturbed areas, care should be taken to not disturb additional vegetation.

11. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Water bars shall be spaced on road grades greater than 4 percent (i.e., 4 to 8 percent grade on 200-foot intervals and greater than 8 percent on 100-foot intervals). In addition, water bars should be installed at all alignment changes (curves), significant grade changes, and as determined by a qualified engineer. Water bars should be sloped with the grade and cut to a minimum 12-inch depth below the surface. The grade of the water bar should be 2 percent greater than the grade of the road.

Seedbed Preparation

12. An adequate seedbed should be prepared for all sites to be seeded. Areas to be revegetated should be chiselled or disked to a depth of at least 12 inches unless restrained by bedrock.
13. Ripping of fill materials should be completed by a bulldozer equipped with single or a twin set of ripper shanks. Ripping should be done on 4-foot centers to a depth of 12 inches or as directed by the authorized officer. Ripping should be followed by final grading and precede seedbed material application. Ripping should be completed at a speed that maximizes ripper shank action and promotes soil material disruption to the specified depth. Ripping should be repeated until the compacted area is loose and friable.
14. Seedbed preparation will be considered complete when the soil surface is completely roughened and the number of rocks (if present) on the site is sufficient to cause the site to match the surrounding terrain.

Fertilization

15. The soil on all sites to be reseeded is to be tested to determine available nitrogen and phosphorous. Soil is to be tested at a certified soils lab. If soil tests results determine the need, commercial fertilizer shall be applied. The authorized officer of the BLM will make the determination of fertilizer is to be applied.

Commercial fertilizer with a formula of 16-16-8 is to be applied at a rate of 200 pounds per acre to the site as directed by the authorized officer. The rate may be adjusted depending on soil test results.

16. Fertilizer is to be applied not more than 48 hours before seeding and cultivated into the upper 3 inches of soil.

17. Fertilizer is to be broadcast over the soil using hand-operated "cyclone-type" seeders or rotary broadcast equipment attached to construction or revegetation machinery as appropriate to slope. All equipment should be equipped with a metering device. Fertilizer application is to take place before the final seeding preparation treatment. Fertilizer broadcasting operations should not be conducted when wind velocities would interfere with even distribution of the material.

Mulching

18. Mulching is to be conducted as directed by the authorized officer.

The type of mulch should meet the following requirements: Wood cellulose fiber shall be natural or cooked, shall disperse readily in water, and shall be nontoxic. Mulch shall be thermally produced and air dried. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A colored dye that is noninjurious to plant growth may be used when specified. Wood cellulose fiber is to be packaged in new, labeled containers. A minimum application of 1500 pounds per acre shall be applied. A suitable tackifier shall be applied with the mulch at a rate of 60 to 80 pounds per acre.

An alternative method of mulching on small sites would be the application of straw or hay mulch at a rate of 2000 pounds per acre. Hay or straw shall be certified weed free. Following the application of straw or hay, crimping shall occur to ensure retention.

Reseeding:

19. All disturbed areas are to be seeded with the seed mixture required by the BLM. The seed mixture(s) shall be planted in the fall of the year (Sept-Nov), in the amounts specified in pounds of pure live seed (PLS)/acre. There shall be no primary or secondary noxious weed seed in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within 12 months before purchase. Commercial seed will be either certified or registered seed. The seed mixture container shall be tagged in accordance with

State law(s) and available for inspection by the authorized officer. Seed is to be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be evenly and uniformly planted over the disturbed area. (Smaller/heavier seeds tend to drop to the bottom of the drill and are planted first. Appropriate measures should be taken to ensure this does not occur.) Where drilling is not possible, seed is to be broadcast and the area raked or chained to cover the seed. Woody species with seeds that are too large for the drill will be broadcast. When broadcasting the seed, the pounds per acre noted below are to be increased by 50 percent. Reseeding may be required if a satisfactory stand is not established to the surface rights owner's specifications. Evaluation of the seeding's success will not be made before completion of the second growing season after the vegetation becomes established. The Authorized Officer is to be notified a minimum of seven (7) days before seeding of a project.

20. The disturbed areas for the drill site and road must be seeded with the following seed mix immediately after the topsoil is replaced:

ADD SEED LIST HERE: TO BE ADDED PRIOR TO RECLAMATION.

HYDROLOGY PROCEDURES

21. Reserve pits and disposal ponds are to be constructed to contain contaminated and/or produced water on site. One foot of freeboard is to be maintained in disposal ponds to contain precipitation without overflow.
22. For wells completed in the Ferron or Navajo formations, the potentiometric surface (well bore fluid level) of the respective formations is to be recorded. This is to be completed before pumping and submitted to BLM with the Completion Report and Log form (form 3160-4)
23. All hydrologic modifications should be made according to the "State of Utah Nonpoint Source Management Plan for Hydrologic Modifications - March 1995," where feasible.

The following general operating procedures are based on the best procedures available subject to current laws and technology. As technology advances, these procedures can be expected to change. Future changes in the general operating procedures may be applied at the time of reclamation. At this point in time the standards and procedures are made part of the agency preferred alternative. These procedures are an integral part of this alternative and contribute along with other aspects of the alternative to environmental impacts including cumulative impacts that must be analyzed.

TABLE 1

NOTIFICATIONS

Notify Mike Kaminski at 801-636-3640 (work) or 801-637-2518 (home), or Dean Nyffeler at 801-636-3615 of the BLM, Price Office in Price, Utah, for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching each casing setting depth;

3 hours prior to testing BOPE

If the person at the above number cannot be reached, notify the Moab Office at (801) 259-6111. If unsuccessful, contact one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Office at (801) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer	Office:	(801) 259-2117
	Home:	(801) 259-2214

Gary Torres, Petroleum Engineer	Office:	(801) 587-2141
	Home:	(801) 587-2705



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

October 30, 1996

Texaco Exploration & Production, Inc.
3300 N. Butler Avenue
Farmington, New Mexico 87401

Re: Utah Federal 'I' 33-22 Well, 1980' FNL, 500' FEL, SE NE,
Sec. 33, T. 21 S., R. 6 E., Emery, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-015-30296.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Emery County Assessor
Bureau of Land Management, Moab District Office



Operator: Texaco Exploration & Production, Inc.
Well Name & Number: Utah Federal 'I' 33-22
API Number: 43-015-30296
Lease: UTU-68532
Location: SE NE Sec. 33 T. 21 S. R. 6 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.



Texaco Exploration
and Production Inc.
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

April 13, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

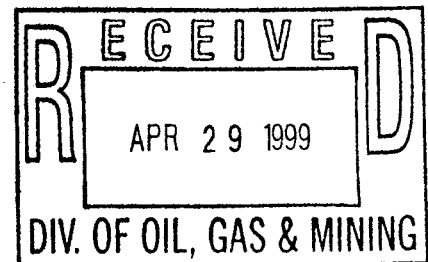
Ms. Carroll Daniels

Ref: Form 8 request for wells:
A.L. Jensen 27-9
Utah Federal 'M' 6-25
Utah Federal 'H' 6-21
Utah Federal 'T' 33-22 - Never Drilled

As requested, a completed State of Utah Well Completion or Recompletion Report and Log Form 8 is attached for wells A.L. Jensen 27-9, Utah Federal 'M' 6-25, and Utah Federal 'H' 6-21. The well Utah Federal 'T' 33-22 was never drilled and therefore no State of Utah Well Completion or Recompletion Report and Log Form 8 is being submitted.

Please contact me at the above number, extension 12, if there are any questions.

Richard Carr



From: Verlene Butts <vbutts@ut.blm.gov>
To: NRDOMAIN.NROGM (DSTALEY)
Date: 8/10/98 2:28pm
Subject: Rescind well permits?? - Reply

Good Afternoon Don! Well here is the rest of the story, o.k.! The following permits are in the process of being rescinded to the operator, a copy of the letters are forthcoming.

Chandler & Associates, Inc.

43-015-30260	3-3-18-8	3-18S-8E
43-015-30263	8-7-18-8	7-18S-8E
43-015-30265	5-12-19-7	12-19S-7E
43-015-30261	11-1-19-7	1-19S-7E

On the following permits I have sent memorandums to the San Juan Resource Area and San Rafael Resource Area to field check the location of rehab and subsequently rescind the permit and release the bond for this location.

Petral Exploration

43-037-31781	1-24X	24-37S-24E
43-037-31791	Knockdhu Unit #8	33-37S-25E

Texaco Inc.

43-015-30296	33-22	33-21S-6E
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Farmington R. A. would handle this permit.

Mobil Oil

43-037-31132	RU 24-41	24-41S-23E
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Hope this helps, bye, Verlene

>>> Don Staley <nrogm.dstaley@state.ut.us> 08/03 10:05 am >>>
Hi Verlene,

Could you check out the status of the following permits for me. According to my records, they are all due to be rescinded. Thanks!

API NAME	OPERATOR LOCATION	WELL
43-015-30260 3-3-18-8	Chandler 3-18S-8E	Ferron Fed
43-015-30261	Chandler	Ferron Fed 11-1-19-7 1-19S-7E
43-015-30263 8-7-18-8	Chandler 7-18S-8E	Ferron Fed
43-015-30265 5-12-19-7	Chandler 12-19S-7E	Ferron Fed

CC: WELL FILE



Texaco Exploration
and Production Inc.
Denver Region

3300 North Butler
Farmington, NM 87401
505 325-4397

April 13, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Ms. Carroll Daniels

Ref: Form 8 request for wells:

A.L. Jensen 27-9

Utah Federal 'M' 6-25

Utah Federal 'H' 6-21

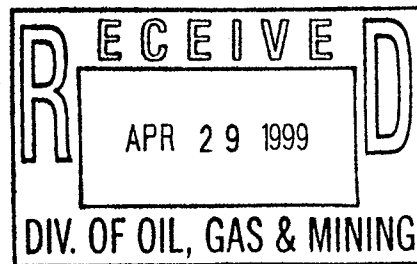
Utah Federal 'T' 33-22 - Never Drilled

*TALS RGE Sec 33
43-015-30296*

As requested, a completed State of Utah Well Completion or Recompletion Report and Log Form 8 is attached for wells A.L. Jensen 27-9, Utah Federal 'M' 6-25, and Utah Federal 'H' 6-21. The well Utah Federal 'T' 33-22 was never drilled and therefore no State of Utah Well Completion or Recompletion Report and Log Form 8 is being submitted.

Please contact me at the above number, extension 12, if there are any questions.

Richard Carr



Moab Field Office
82 East Dogwood
Moab, Utah 84532

3162
UTU68532
UT-062

Texaco Exploration & Production, Inc.
3300 North Butler Avenue
Farmington, New Mexico 87401

OCT 27 1999

RE: Rescinding Application for Permit to Drill
Well No. Federal 33-22
SENE Sec. 33, T. 21 S., R. 6 E.
Emery County, Utah
Lease UTU68532

43-015-30296

Gentlemen:

The Application for Permit to Drill the referenced well was approved on October 23, 1996. Since that date, no known activity has transpired. This approval was valid for a period of one year from the date of approval. In view of the foregoing, this office is rescinding the approval of this application.

Should you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted. If you have any questions, please contact Marie McGann, Legal Instruments Examiner, at 435-259-2135.

Sincerely,

/S/ WILLIAM C. STRINGER

Assistant Field Manager
Division of Resources

Enclosure:
Application for Permit to Drill

cc: UT-070, Price Field Office (wo/Enclosure)
State of Utah, Division of Oil, Gas and Mining (wo/Enclosure)

MMcGann:mm:10/27/99

